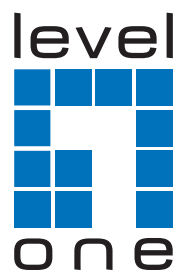
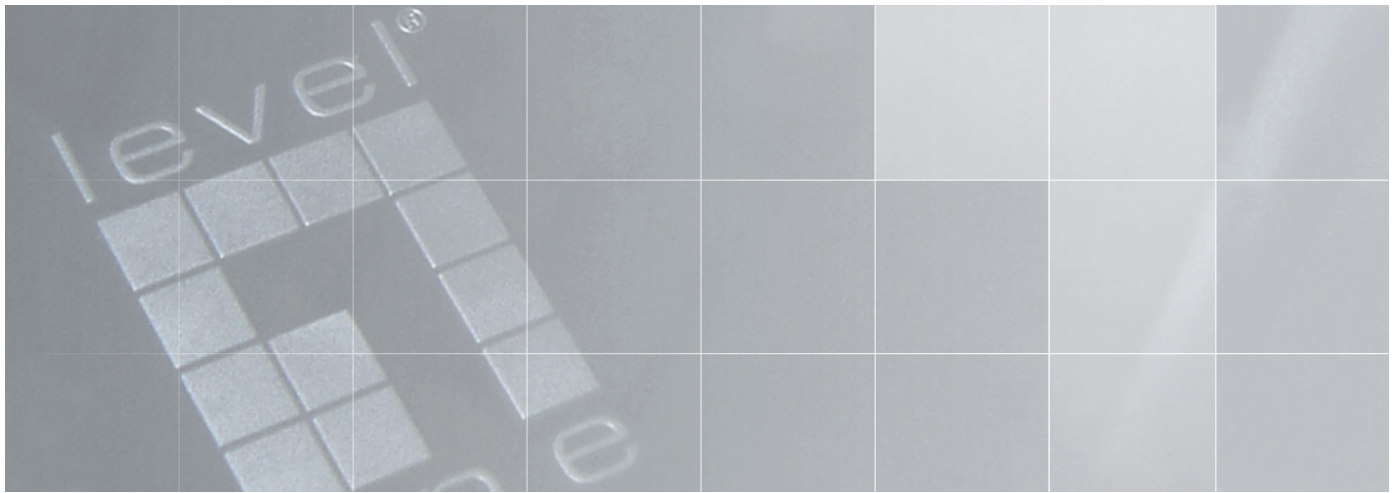


Netzwerk
Sicherheit
Digital Signage
Industriell





Die Marke LevelOne wurde 1998 von der Digital Data Communications GmbH in Dortmund gegründet. Durch unsere qualitativ hochwertigen Netzwerkprodukte und Lösungen sind wir die letzten Jahre stetig gewachsen, sodass wir heute über 18 Niederlassungen weltweit verfügen.

Das Medium Internet ist sowohl im Geschäft als auch Privatleben ein wichtiger und unverzichtbarer Bestandteil geworden. Unsere langjährige Erfahrung lehrt uns heute noch, dass der einzige Weg an der Spitze zu bleiben, unsere Kunden und ihre Bedürfnisse sind.

Die Digital Data Communications GmbH wurde 1991 gegründet und hat seit dem ihren Hauptsitz in Deutschland. Die verschiedenen Niederlassungen befinden sich überall auf der Welt: Taiwan, Australien, Belgien, Brasilien, Kolumbien, Dänemark, Griechenland, Italien, Kenia, Niederlande, Portugal, Slowenien, Spanien, V.A.E. Zur Zeit schaffen wir es kontinuierlich unsere jährlichen Umsätze zu erhöhen. Unsere Produktion, die Entwicklung sowie unsere Distributionen und Logistikzentren wachsen stetig und setzen neue Qualitätsstandards in der Welt mit starken Markennamen mit hohem Wiedererkennungswert.

Werfen Sie einen Blick in diesen Katalog und scheuen Sie sich nicht sich mit Fragen und Anregungen an uns zu wenden:

sales@level1.com



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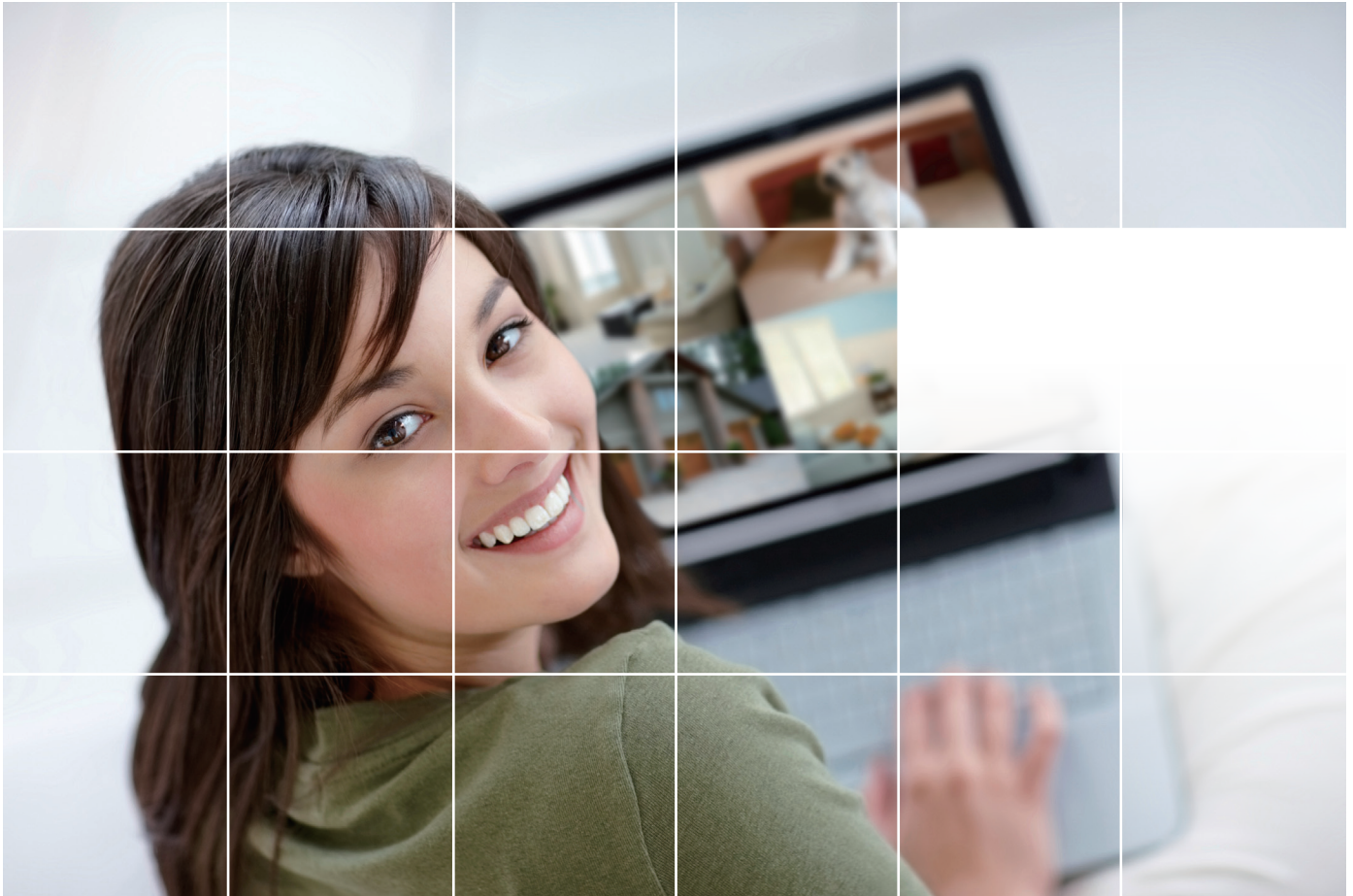
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Home

Netzwerk

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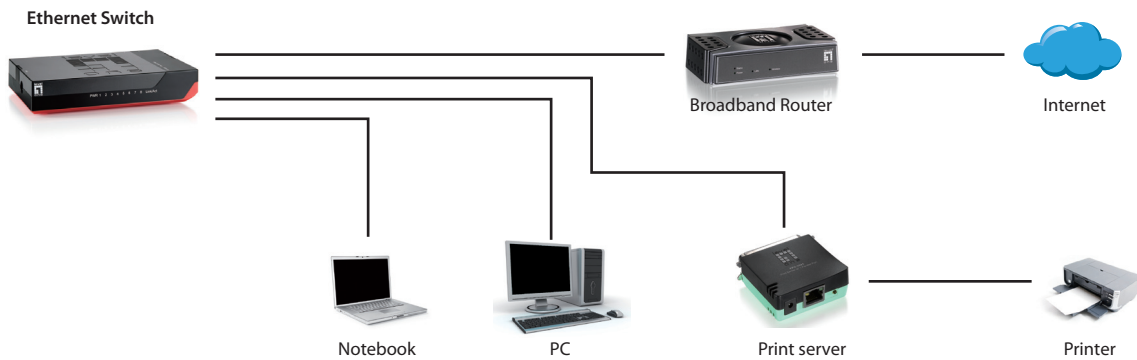
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Erlaubt dem Benutzer ein lokales Netzwerk (LAN) zu errichten oder weitere Netzwerkgeräte zu verbinden wie zum Beispiel Kameras, Speichermedien oder Printserver.

Key Features

- Entspricht dem IEEE 802.3(10MBit/s), 802.3u(100MBit/s), 802.3ab (1000MBit/s)
- Unterstützt Store-and-Forward Architektur
- Unterstützt Auto-MDI/MDI-X für jeden Port
- Kontroll-LEDs an der Vorderseite
- Wire-Speed und Non-Blocking Weiterleitungsrate
- Unterstützt IEEE 802.3x Voll-Duplex/Halb-Duplex Kontrolle



Unmanaged Fast Ethernet Switches



FSW-0508TX
5-Port Fast Ethernet Switch



FSW-0808TX
8-Port Fast Ethernet Switch



FSW-0511
5-Port Fast Ethernet Switch



FSW-0811
8-Port Fast Ethernet Switch

Unmanaged Gigabit Ethernet Switches



GSW-0507
5-Port Gigabit Switch



GSW-0807
8-Port Gigabit Switch



Ethernet Switch Übersicht						
Model	FSW-0508TX	FSW--0808TX	FSW-0511	FSW-0811	GSW-0507	GSW-0807
10/100 Mbps Port	5	8	5	8	-	-
10/100/1000 Mbps Port	-	-	-	-	5	8
Mac Address Table	2K	1K	1K	1K	8K	8K
Jumbo Frame	-	-	-	-	9K	9K
Buffer Memory	48KB	96KB	128KB	96KB	125KB	125KB
Green Technology	-	-	V	V	V	V

LevelOneBreitband-/WLAN-/Modem-/UMTS-Routersind die perfekte Ergänzung zu jedem Netzwerk, egal ob Drahtgebundene oder drahtlos. Nutzer können unter verschiedensten Produkten, mit unterschiedlichst Funktionen, das für ihren Einsatz passende Produkt auswählen.

Key Features

- Sämtliche WLAN-Router unterstützen die automatische Kanalwahl und verhindern somit Interferenzen von benachbarten WLAN Netzwerken.
- Sämtliche WLAN Router unterstützen WPS (Wi-Fi Protected Setup)
- Unterstützt VPN-Durchleitung und DDNS (Dynamic Domain Name System)
- Unterstützt NAT-Firewall mit SPI Modus, DOS-Attacken Erkennung und Zugriffskontrollmanagement
- Schnelle und einfache Installation Wizard



Wired/Wireless Router



FBR-1430
VPN Breitband Router



WBR-6003
150Mbps Wireless Router



WBR-6012
300Mbps Drahtlos-Router



WGR-6013
300Mbps Wireless Gigabit Router

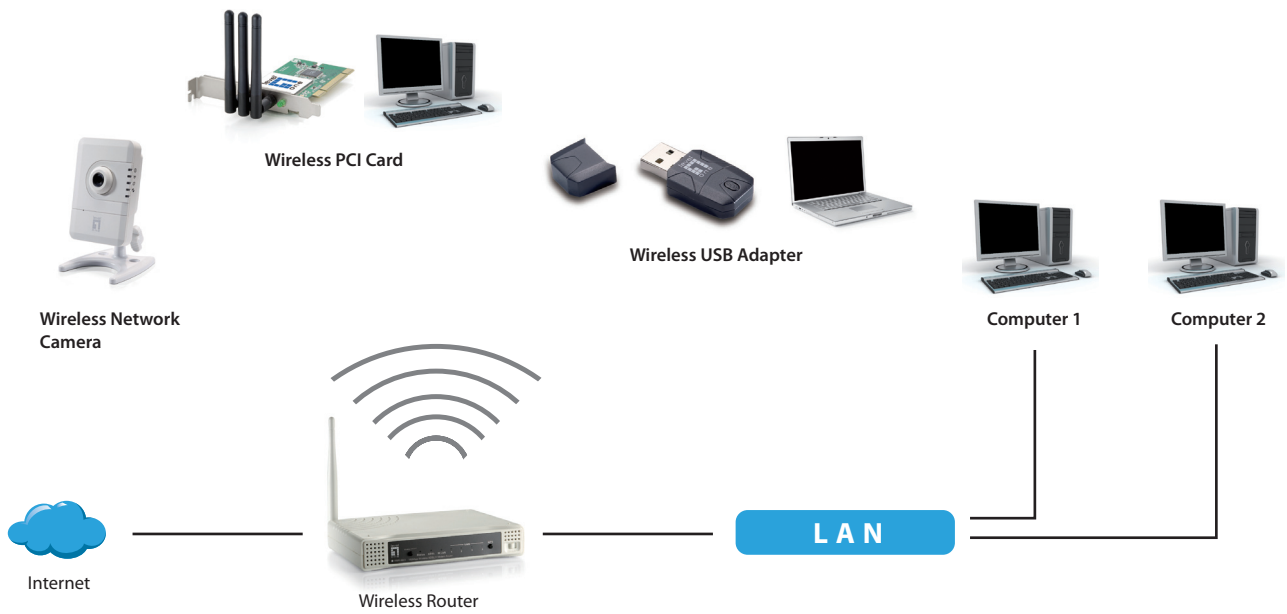


WBR-6801
150Mbps Wireless 3G Tragbarer Router



WBR-6805
300Mbps Drahtlos-Reise-Router

Drahtgebundene/Drahtlos Router Übersicht						
Model	FBR-1430	WBR-6003	WBR-6012	WGR-6013	WBR-6801	WBR-6805
LAN	4 x 10/100Mbps	4 x 10/100Mbps	4 x 10/100Mbps	4 x 10/100/1000 Mbps	-	1 x 10/100Mbps ,
WAN (Internet)	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100/1000 Mbps	1 x USB	1 x USB (WAN Only)
Wireless	-	150Mbps	300Mbps	300Mbps	150Mbps	150Mbps
Antenna	-	1 x 5dBi (Fixed/ External Detachable)	2 x 2dBi (External Detachable)	2 x 2 dBi(Fixed External) (Optional 5 dBi) (Optional 5dBi)	1 x 2dBi (Internal)	1 x 2dBi (Internal)
WDS	-	V	V	V	-	-
WPS	-	V	V	V	V	V
Built-in modem	-	-	-	-	-	-
Wireless Signal On/Off	-	V	-	V	V	V
Green Technology	-	-	V	V	-	-



Wired/Wireless Modem Router



FBR-1161 Annex A/B
ADSL2+ Modem Router (1 LAN-, 1 WAN-, 1 USB-Port)



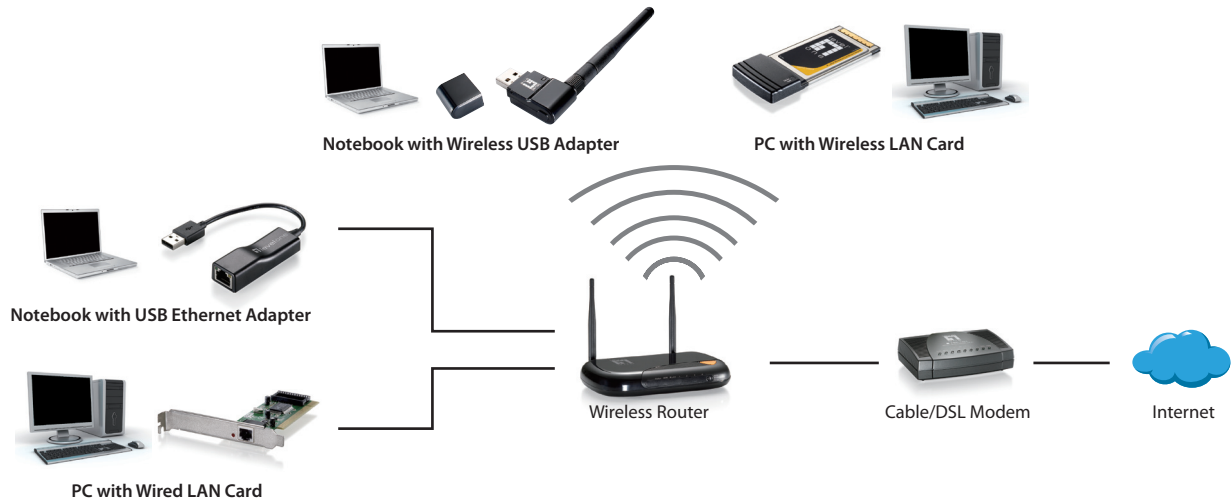
FBR-1461 Annex A/B
ADSL2+ Modem Router mit QOS



WBR-6603
150Mbps Wireless ADSL2+ Modem Router

Drahtgebundene/Drahtlos Modem Router Übersicht			
Model	FBR-1161	FBR-1461	WBR-6603
LAN	1 x 10/100Mbps	4 x 10/100Mbps	4 x 10/100Mbps
WAN (Internet)	1 x RJ-11	1 x RJ-11	1 x RJ-11
Wireless	-	-	150Mbps
Antenna	-	-	1 x 2dBi (Fixed External)
WDS	-	-	V
WPS	-	-	V
Built-in modem	ADSL2+	ADSL2+	ADSL2+
Wireless Signal On/Off	-	-	V
Green Technology	-	-	-

Die LevelOne USB-Netzwerkadapter erlauben es den Laptop oder die Spielkonsole einfach an das Netzwerk anzuschließen. Die PCI-Netzwerkarten sind besonders kosteneffektive Lösungen, um PCs und Server an das Netzwerk anzuschließen.



Drahtgebundene Netzwerk-Adapter

- Entspricht dem IEEE 802.3(10MBit/s), 802.3u(100MBit/s), 802.3ab (1000MBit/s)
- Bieten Plug&Play Funktion für einfachste Installation



FNC-0107TX
Fast Ethernet PCI Card (mit Wake-On LAN-Funktion)



FNC-0109TX
Fast Ethernet PCI Card



USB-0301
USB Fast Ethernet Adapter



USB-0401
USB Gigabit Ethernet Adapter



USB-0502
Gigabit-USB-Netzwerkadapter mit USB-Hub

Drahtgebundene Netzwerk-Adapter Übersicht					
Model	FNC-0107TX	FNC-0109TX	USB-0301	USB-0401	USB-0502
Interface	PCI	PCI	USB 2.0	USB 3.0	USB 3.0
Ethernet Port	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100Mbps	1x 10/100/1000Mbps	1 x 10/100/1000Mbps
Jumbo Frame	-	-	-	4K	4K
Wake-on-LAN	V	-	V	V	V
Mac OS Compatible	-	-	V	V	V
USB Hub	-	-	-	-	3 x USB

Drahtlos Netzwerk-Adapter

- Unterstützt automatische Kanalwahl und verhindert Interferenzen mit benachbarten Netzwerken
- Unterstützt 64/128 WEP, WPA und WPA2 Verschlüsselung
- Arbeitet im 2.4GHz Standard
- Bieten Plug&Play Funktion für einfachste Installation



WUA-0614
150Mbps Drahtlos-USB-Adapter (2dBi)



WUA-0624
150Mbps Drahtlos-USB-Adapter (5dBi)

Drahtlos Netzwerk-Adapter Übersicht		
Model	WUA-0614	WUA-0624
Interface	USB 2.0	USB 2.0
Antenna	1 x 2dBi (External Detachable)	1 x 5dBi (External Detachable)
Wireless	150Mbps (11b/g/n)	150Mbps (11b/g/n)
WPS	V	V
Optional Accessories	SUS-1003 USB stand with Cable Organizer	SUS-1003 USB stand with Cable Organizer



WUA-0605
300Mbps Drahtlos-USB-Adapter



WUA-1610
300Mbps Drahtlos-USB-Adapter



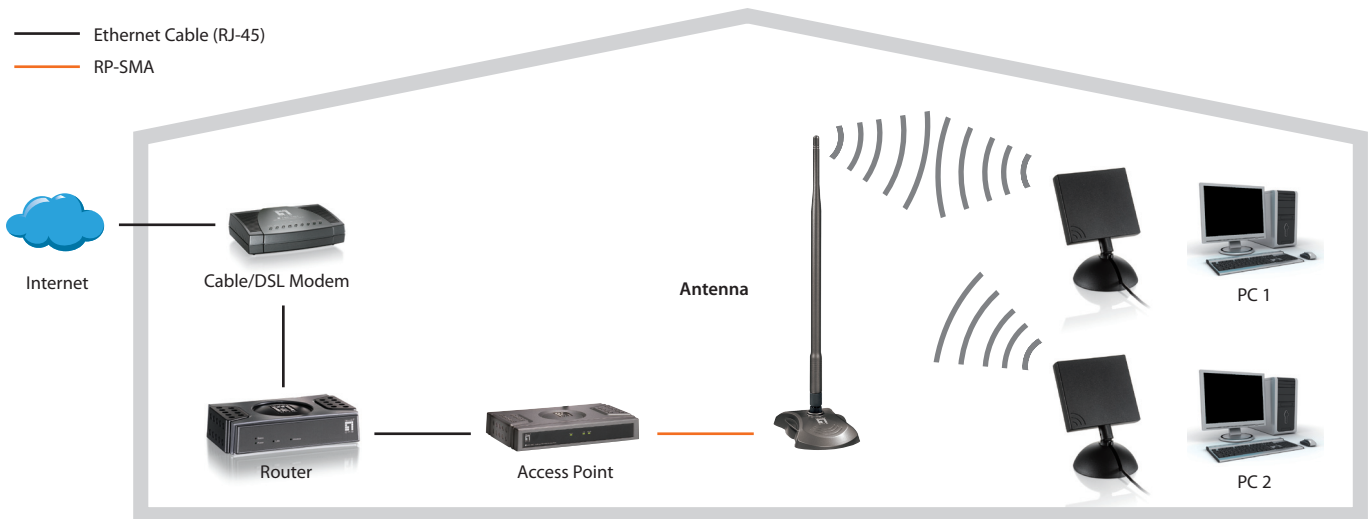
WUA-1610H
300Mbps Drahtlos-USB-Adapter

Drahtlos Netzwerk-Adapter Übersicht			
Model	WUA-0605	WUA-1610	WUA-1610H
Interface	USB 2.0	USB 2.0	USB 2.0
Antenna	2 x 2dBi (Internal)	2 x 2dBi (External Detachable)	2 x 5dBi (External Detachable)
Wireless	300Mbps (11b/g/n)	300Mbps (11b/g/n)	300Mbps (11b/g/n)
WPS	V	V	V
Optional Accessories	SUS-1003 USB stand with Cable Organizer	-	-

LevelOne Antennen ermöglichen es dem Nutzer die Reichweite des drahtlos Netzwerk zu erweitern. Die Antennen unterstützen IEEE 802.11b/g/n im 2.4GHz Frequenzbereich, sowohl für Router, Access Points als auch WLAN Adapter.

Key Features

- Reverse SMA Anschluss zum einfachen anschließen von Antennen
- Arbeitet Omni-direktional
- Bietet stabiles Signal und erhöhte Reichweite/Abdeckung



OAN-0501
5dBi Omni-direktionale Antenne



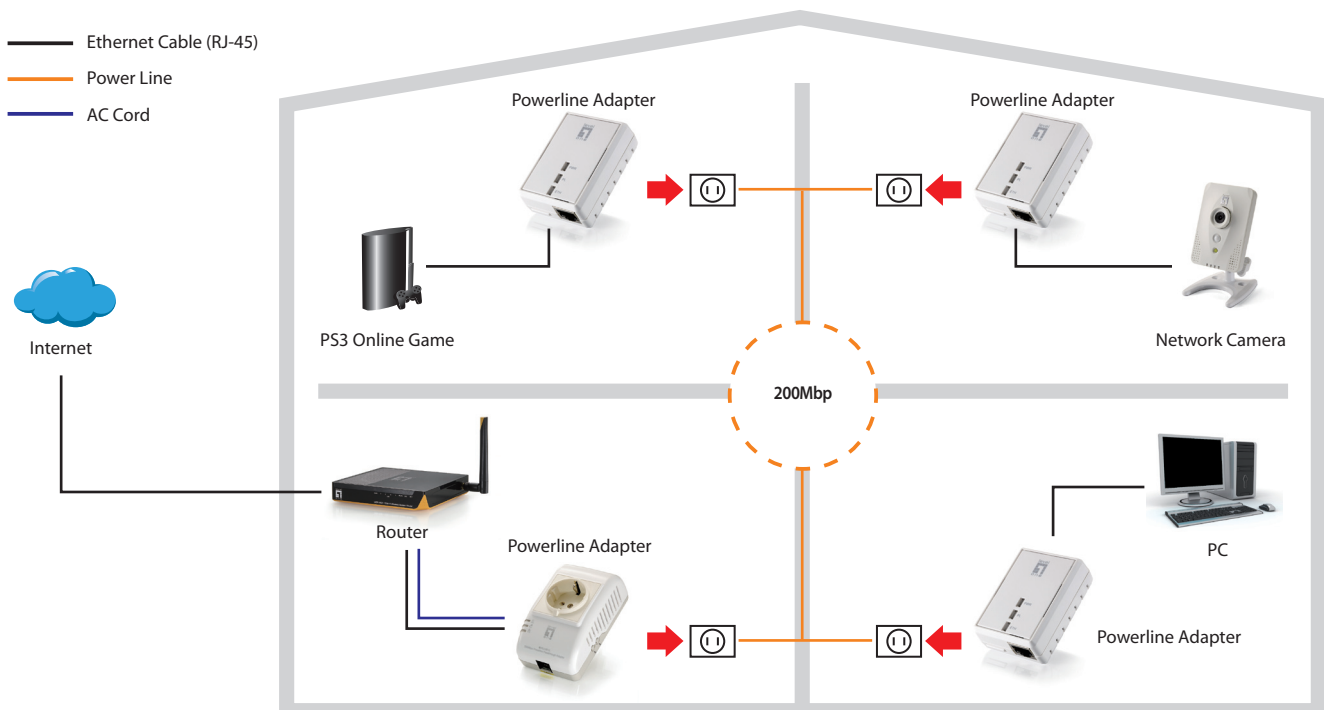
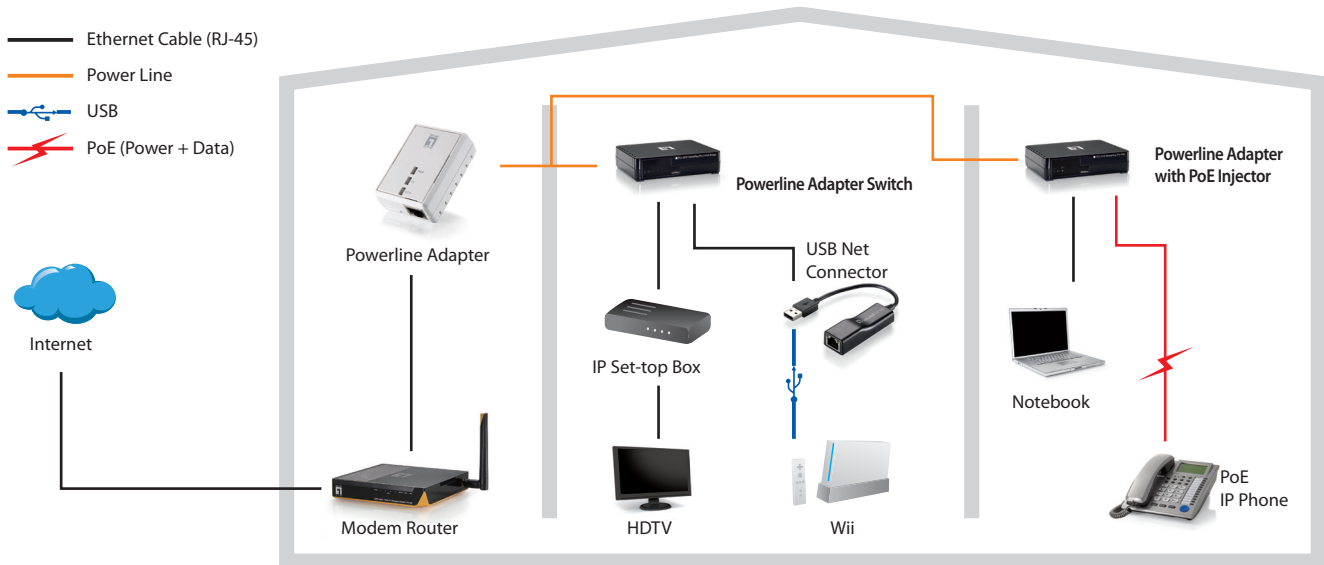
OAN-1070
7dBi Omni-direktionale Antenne

Antennen Übersicht		
Model	OAN-0501	OAN-1070
Gain	5dBi	7dBi
Range (Estimated)	40~200m	60~400m
Extension Cable	-	V

LevelOne Powerline Adapter unterstützen die neusten HomePlug Powerline A/V Standards und ermöglichen den Aufbau eines Datennetzwerks über die vorhandene Stromverkabelung. Perfekt z.B. für HDTV-Streaming im Haus oder in der Wohnung.

Key Features

- Unterstützt automatische Kanalwahl und verhindert Interferenzen mit benachbarten Netzwerken
- Die AES 128-bit Verschlüsselung bietet höchsten Zugriffsschutz und Sicherheit
- Taste zur Plug&Play Verschlüsselung (WPS Konfiguration)
- Daten über das vorhandene Stromnetzwerk übertragen
- Bietet einfachste Plug&Play Installation
- LED-Anzeigen u.a. zur Kontrolle der Verbindungsqualität



HomePlug Powerline Adapters



PLI-3510
200Mbps Powerline Adapter mit Mains Pass-Through



PLI-4052
500Mbps Powerline Adapter



PLI-4510
500Mbps Powerline Adapter mit Mains Pass-Through

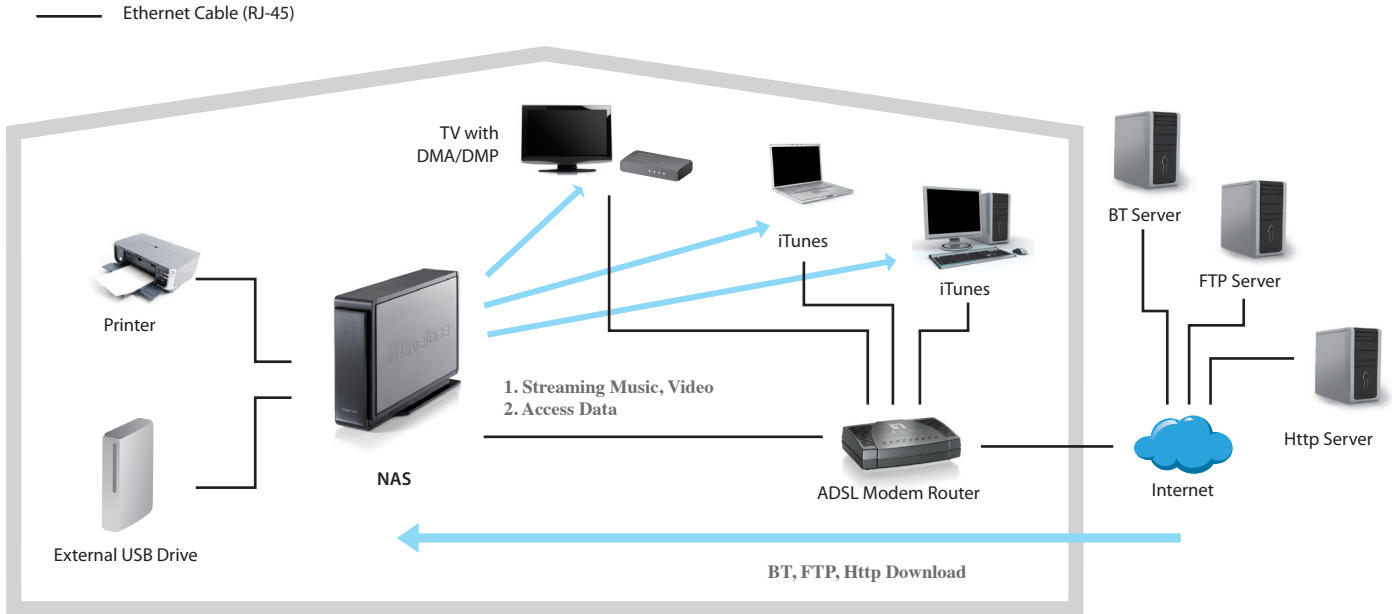
HomePlug Powerline Adapter Übersicht			
Model	PLI-3510	PLI-4052	PLI-4510
Ethernet Port	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100Mbps
Powerline Speed	200Mbps	500Mbps	500Mbps
Wireless Speed	-	-	-
PoE	-	-	-
PoE Power Budget	-	-	-
Green Technology	V	-	V



PLI-3110
200Mbps Powerline Adapter mit PoE-Injektor

HomePlug Powerline Adapter Übersicht	
Model	PLI-3110
Ethernet Port	2 x 10/100Mbps 1 x PoE
Powerline Speed	200Mbps
Wireless Speed	-
PoE	IEEE 802.3af
PoE Power Budget	15.4W
Green Technology	-

LevelOne bietet Speicherlösungen für den Heim- und Büroeinsatz. Egal ob Sie eine einfache und schnelle Möglichkeit suchen Ihre Filme und Musik zu Hause gemeinsam zu nutzen, mit anderen zu teilen oder ob Sie Ihren Kollegen im Büro zusammen arbeiten, LevelOne hat die Lösung für Sie.



Key Features

- Streamen Sie Musik, Filme zu Ihrem PC Media Player oder der Spiele Konsole
- High-Speed USB 2.0 Anschlüsse für externen Festplatten
- Teilen Sie Daten mittels FTP Server oder Windows Dateifreigabe/Samba
- Einfach zu installieren und zu nutzen



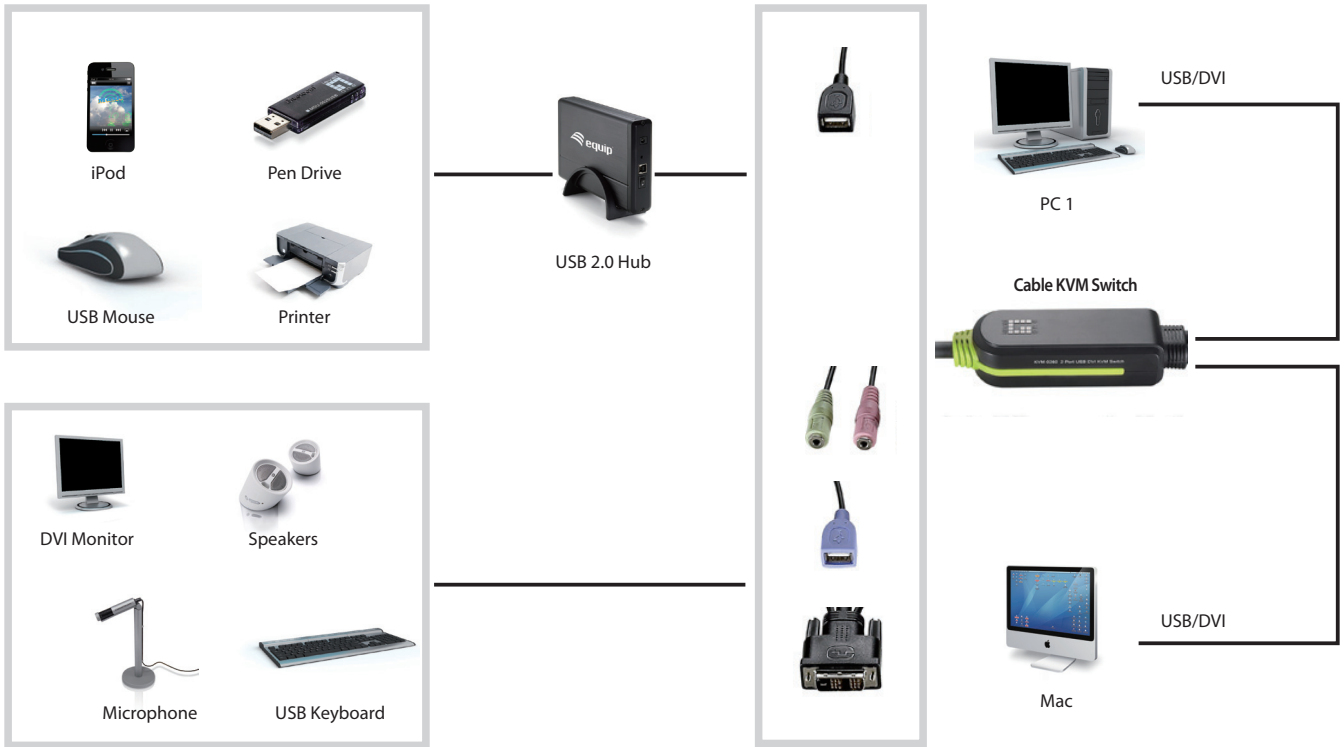
GNS-1001
1-Bay Gigabit Network Storage



GNS-4001
4-Bay Gigabit Network Storage

Netzwerkpeicher Übersicht		
Model	GNS-1001	GNS-4001
Ethernet Port	10/100/1000Mbps	2 x 10/100/1000Mbps
DRAM	128MB	1GB DDR II, up to 4GB
Disk Bay	1 x 3.5" inch SATA	4 x 3.5" inch SATA II
UPnP Media Server	-	V
JBOD /RAID 0/1	-	V
Jumbo Frame	V	-
Wireless	-	-
One Touch Backup	-	V

LevelOne KVM-Lösungen sind einfach zu installieren (Plug&Play) und ermöglichen das Umschalten zwischen PCs. Unterstützt werden PS/2-, USB und VGA- als auch DVI-Anschlüsse.



Key Features

- Plug&Play Anwendung, keine Softwareinstallation notwendig
- LED-Anzeigen zur Kontrolle des Status
- Einfaches Umschalten zwischen PCs durch automatischen Umschalten, Tastatur-Hotkeys oder Knopfdruck möglich

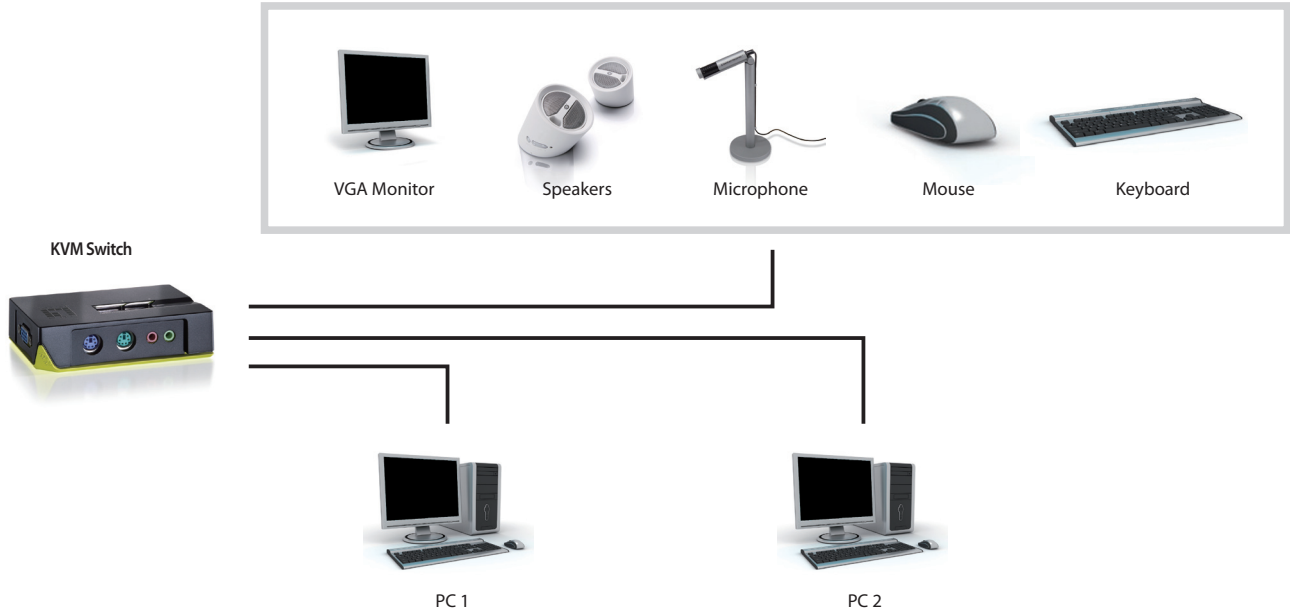


KVM-0223
2-Port USB KVM Switch

KVM-0260
2-Port USB DVI KVM Switch mit Audio

Kabel KVM Switch Übersicht			
	Model	KVM-0223	KVM-0260
PC Port	Port for Keyboard/Mouse	USB	USB
	Video Port	VGA	DVI-D
	Audio / Microphone	Audio	Audio/Microphone
Console Port	Port for Keyboard/Mouse	USB	USB
	Video Port	VGA	DVI-D
	Audio / Microphone	Audio	Audio/Microphone
Feature	Control and Manage Computers	2	2
	Max. Local Resolution	2048 x 1536	1920 x 1200

Der LevelOne Desktop KVM Switches verbindet zwei Computer mit einer einzigen PS/2-Tastatur, PS/2-Maus und VGAMonitor. Dieser 2-Port PS/2 KVM Switch bietet auch Audiounterstützung, indem Sie einfach die Audio-Anschlüsse der einzelnen Computer mit dem KVM Switch verbinden.



Desktop KVM Switches

- Flexibler Wechsel für ein ununterbrochenes Multimedia Erlebnis
- Plug&Play Anwendung, keine Softwareinstallation notwendig



KVM-0221
2-Port USB KVM Switch mit Audio



KVM-0222
2-Port USB KVM Switch



KVM-0261
2-Port USB DVI KVM Switch mit Audio & USB Hub



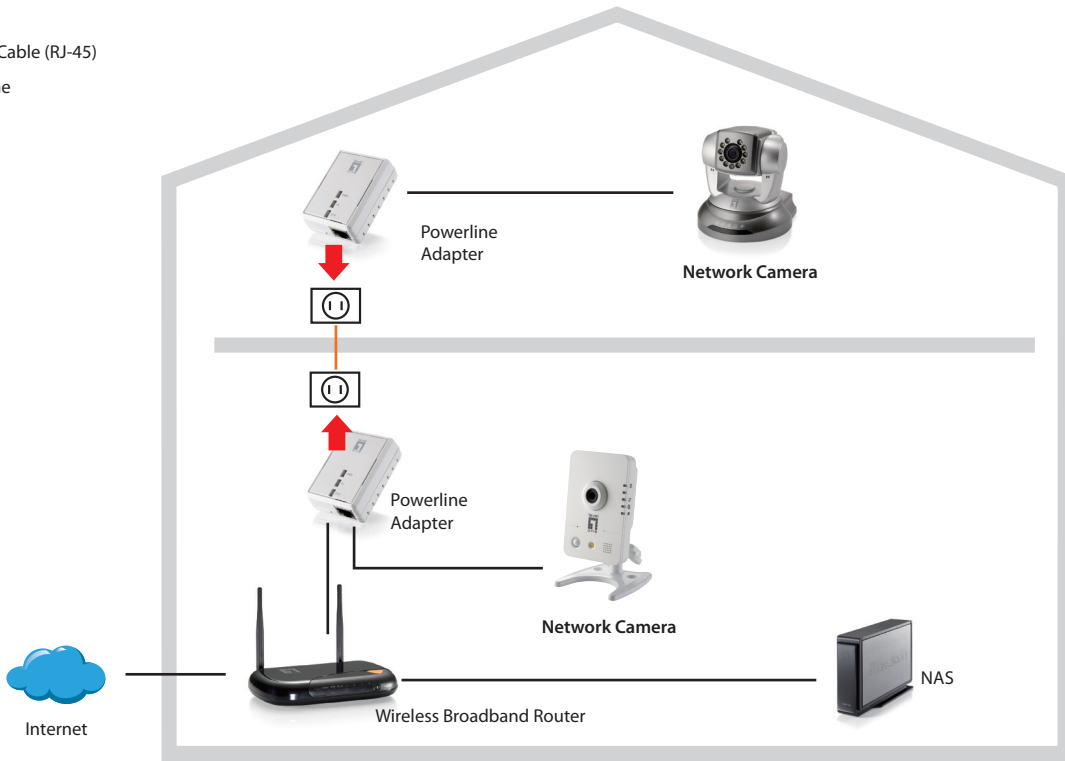
KVM-0461
4-Port USB DVI KVM Switch mit Audio & USB Hub

Desktop KVM Switch Übersicht					
	Model	KVM-0221	KVM-0222	KVM-0261	KVM-0461
PC Port	Port for Keyboard/Mouse	USB	USB	USB	USB
	Video Port	VGA	VGA	DVI	DVI
	Audio / Microphone	Audio / Microphone	-	Audio / Microphone	Audio/Microphone
Console Port	Port for Keyboard/Mouse	USB	USB	USB	USB
	Video Port	VGA	VGA	DVI	DVI
	Audio / Microphone	Audio / Microphone	-	Audio / Microphone	Audio / Microphone
Feature	Control and Manage Computers	2	2	2	4
	Max. Local Resolution	2048 x 1536	2048 x 1536	2560x1600	2560x1600

Ob Drahtgebundene, drahtlos sowie Tag, Nacht, PTZ, Indoor und Outdoor Kamera, sämtliche Kameramodelle werden mit der kostenfreien 64-Kanal Software iCam Secure ausgeliefert. Die ebenfalls kostenfreie iCamSecure Apple App ermöglicht den remote Zugriff via UMT/WLAN auf das Überwachungssystem.

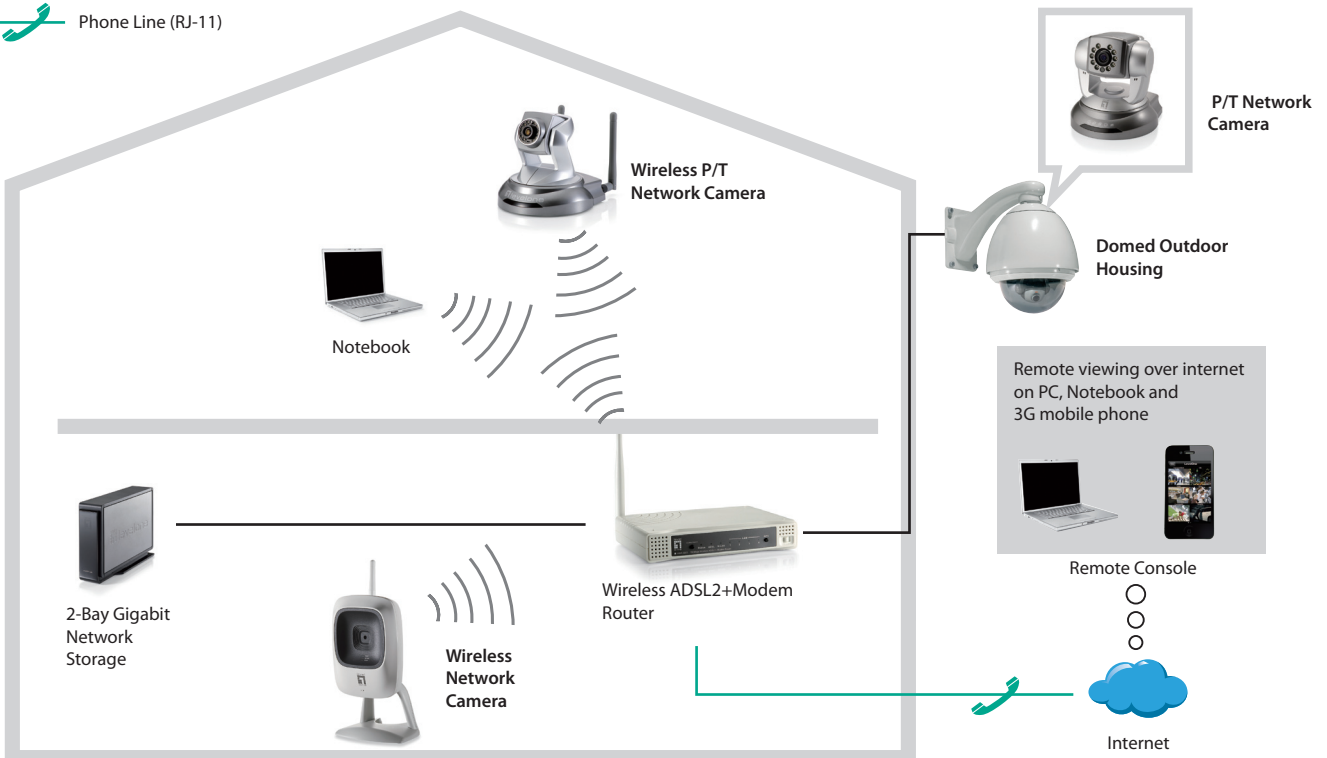
Indoor Lösung

- Ethernet Cable (RJ-45)
- Power Line



Outdoor Lösung

- Ethernet Cable (RJ-45)
- Phone Line (RJ-11)



Fixed Kameras

- Integrierter CMOS Sensor
- Unterstützt UPnP für einfache Installation und Konfiguration
- Supports DDNS bei dynamischer IP Adressvergabe



FCS-0010
Netzwerk Kamera (MPEG4/MJPEG)



WCS-0030
Wireless H.264 Megapixel PIR Netzwerk Kamera



FCS-0031
Megapixel-PIR-Licht-PoE-Netzwerkamera



WCS-0050
150Mbps drahtlose Megapixel Netzwerkamera



FCS-0040
1.3 Megapixel Netzwerk Kamera



WCS-0040
Wireless 1.3 Megapixel Netzwerk Kamera

Fixed Kameras Übersicht						
Model	FCS-0010	WCS-0030	FCS-0031	WCS-0050	FCS-0040	WCS-0040
Sensor	CMOS	CMOS Megapixel	CMOS Megapixel	CMOS Megapixel	CMOS Megapixel	CMOS Megapixel
Infrared LED	-	-	-	-	-	-
Max.Resolution	640 x 480	1280 x 800	1280 x 800	1280 x 800	1280 x 960	1280 x 960
Wireless	-	150Mbps	-	150Mbps	-	300Mbps
ICR (IR-Cut Filter Removal)	-	-	-	-	-	-
PIR Sensor	-	V	V	-	-	-
Built-in Microphone/Speaker	Microphone	Microphone/Speaker	Microphone/ Speaker	Microphone	Microphone	Microphone
ePTZ	-	-	-	-	V	V
Pan/Tilt/Zoom	-	-	-	-	-	-
PoE	-	-	IEEE 802.3af	-	-	-
Power Supply	External	External	External/PoE	External	External	External
Local Storage	-	V	V	-	-	-
Operation Temperature	0°C ~ 40°C	0°C ~ 50°C	0°C ~ 50°C	0°C ~ 50°C	0°C ~ 40°C	0°C ~ 40°C
Optional Accessories	-	-	-	-	-	-

P/T Kameras

- Integrierter CMOS Sensor
- Unterstützt UPnP für einfache Installation und Konfiguration
- Supports DDNS bei dynamischer IP Adressvergabe



FCS-6010
Tag/Nacht 1.3 Megapixel P/T PoE Netzwerk Kamera



WCS-6020
2-Megapixel-Tag/Nacht-WLAN-P/T-Netzwerkamera



WCS-6050
5-Megapixel-Tag/Nacht-WLAN-P/T-Netzwerkamera

P/T Kameras Übersicht			
Model	FCS-6010	WCS-6020	WCS-6050
Sensor	CMOS Megapixel	CMOS Megapixel	CMOS Megapixel
Infrared LED	V	V	V
Max.Resolution	1280 x 1024	1920 x 1080	2560 x 1920
Wireless	*300Mbps	150Mbps (11b/g/n)	150Mbps (11b/g/n)
ICR (IR-Cut Filter Removal)	V	V	V
PIR Sensor	-	-	-
Built-in Microphone/Speaker	Microphone	V	V
ePTZ	-	-	-
Pan/Tilt/Zoom	P/T	P/T	P/T
PoE	IEEE 802.3af	-	-
Power Supply	External/PoE	External	External
Local Storage	V	V	V
Operation Temperature	0°C ~ 50°C	0°C ~ 40°C	0°C ~ 40°C
Optional Accessories	*WUA-1610/1610H 300Mbps Wireless USB Adapter	-	-

The LevelOne Network Video Recorder (NVR) is a reliable surveillance system with an easy set up functionality. It enables live recording and playback for up to 4 network cameras via the local area network (LAN) or over the Internet simultaneously



NVR-0104

4-Kanal-Netzwerkvideorekorder

- 2 x 3,5-Zoll-Festplattensteckplatz (SATA I/II, bis zu 2 x 2 TB)
- Bis zu 4 Netzwerkkameras verwalten und steuern
- Unterstützt lokale HDMI-Anzeige mit 1080p
- Komprimierung: H.264/MPEG-4, Part 2/MJPEG
- Auflösung: Full-HD/Megapixel/FD1/CIF/QCIF
- Unterstützt intelligente Kamerasuche und 2-Wege-Audio
- Unterstützt PTZ/voreingestellten Punkt/voreingestellte Sequenz
- Bewegungserkennung und Ereignisanzeige auf eKarte/Google Maps
- Unterstützt iPhone/Smartphone/PDA-Fernüberwachung über das Internet
- Anzeigemodus: Echtzeitanzeige/Wiedergabe/Vollbild
- Inklusive Fernbedienung
- Kostenlos mitgelieferte NVR-Verwaltungssoftware zur Verwaltung von bis zu 16 NVR-Geräte



NVR-0104



Business

Netzwerk

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Digital Signage

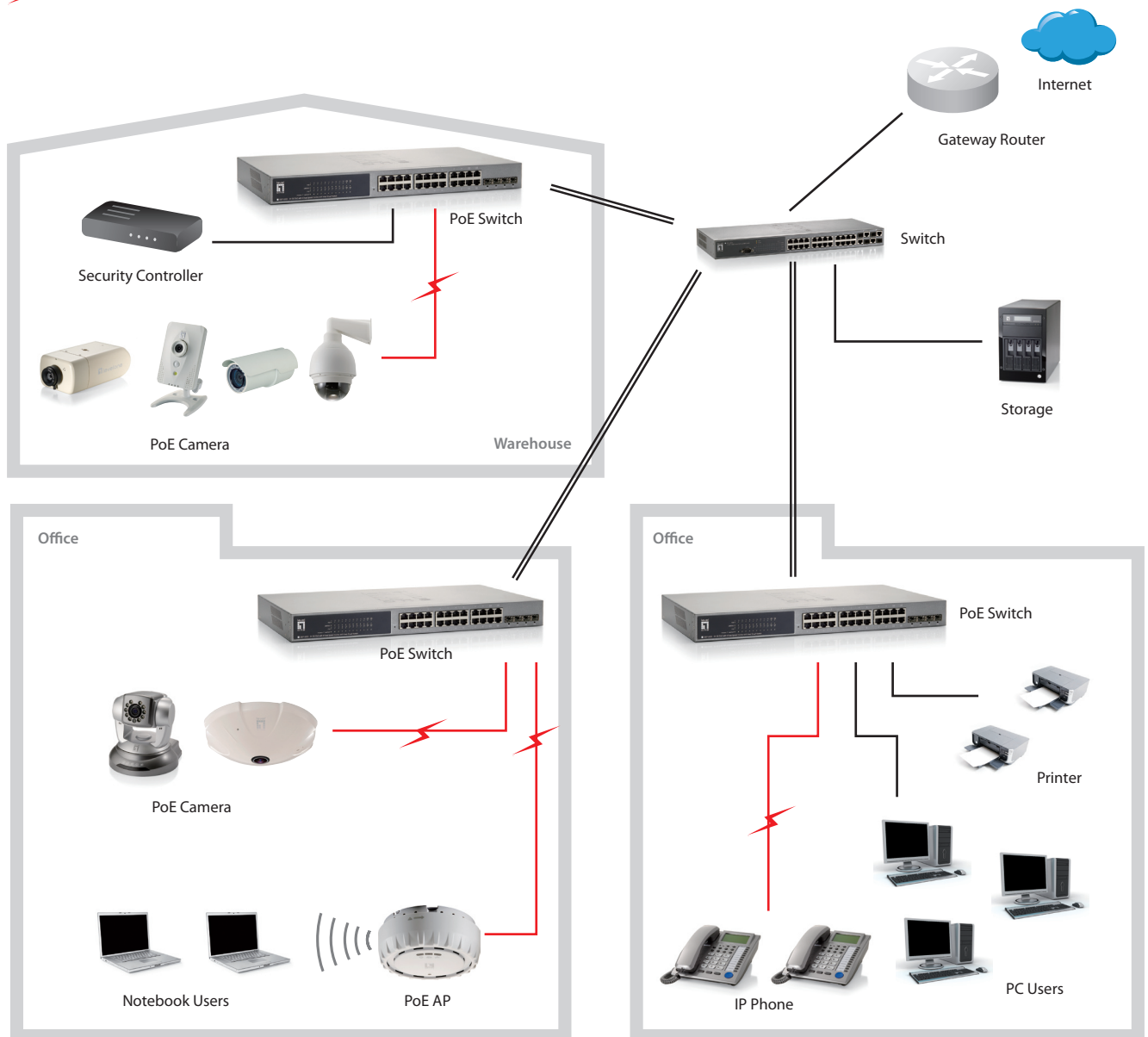
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A/V (VGA) over Cat5	>74-75
IP Audio Broadcasting	>76

PoE Switches liefern Strom und Daten zu einem Endgerät über das Netzkabel. In größeren Netzwerken werden die Stärken der LevelOne PoE Managed Serie deutlich. Die SNMP Layer 2 PoE-Switches bieten ein Web-Management, um z.B. erweiterte Einstellungen wie VLAN, Port-Trunking, Port-Mirroring, QoS und weiteres, nutzen zu können.

Unmanaged PoE Ethernet Switches

- Unterstützt IEEE 802.3x Voll-Duplex/Halb-Duplex Kontrolle
- Bieten Auto-MDI/MDIX Funktion
- unterstützen Auto-Negotiation für Geschwindigkeit und Duplex-Modi für jeden Port

- Ethernet Cable (RJ-45)
- == Fiber
- ⚡ PoE (Power + Data)



Unmanaged PoE Switches



FSW-0503
4 FE PoE + 1 FE Switch, 61.6W



FSW-0513
4-Port Fast Ethernet High-Power PoE Switch, 120W



GEP-0520
4 GE PoE + 1 GE Switch, 61.6W



GEP-0521
4 GE PoE-Plus + 1 GE Switch, 120W



FSW-0512
5-Port Fast Ethernet PoE PD Switch



IFE-0500
4 FE PoE + 1 FE Industrie Switch

Unmanaged PoE Ethernet Switch Übersicht						
Model	FSW-0503	FSW-0513	GEP-0520	GEP-0521	FSW-0512	IFE-0500
Ethernet Port	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps	4 x 10/100Mbps	1 x 10/100Mbps
PoE Port	4 x 10/100Mbps	4 x 10/100Mbps	4 x 10/100/1000Mbps	4 x 10/100/1000Mbps	1 x 10/100Mbps	4 x 10/100Mbps
Fiber Port	-	-	-	-	-	-
MAC Table	1K	1K	2K	1K	2K	1K
Buffer Memory	48KB	48KB	128KB	104KB	128KB	512KB
Jumbo Frame	-	-	9K	8K	-	-
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af/at	IEEE 802.3af	IEEE 802.3af
PoE Power Budget	61.6W	120W	61.6W	120W	-	57W
Output Power Per Port	15.4W	48W	15.4W	30W	-	15.4W
Power Supply	External	External	External	External	External/PoE	External
Green Technology	-	-	V	V	-	-
Optional Accessories	POC-6000: 8-Bay High Power PoE Chassis			-	-	POW-4801: 48V DC Power Adapter



IFE-0501
4 FE PoE + 1 FE Multi-Mode SC Industrie Switch, 2km



IFE-0502
4 FE PoE + 1 FE Single-mode SC Industrie Switch, 30km



FSW-0812
8-Port Fast Ethernet PoE PD Switch



FEP-0812
4 FE PoE-Plus + 4-FE-Switch, 61.6W



FEP-0811
8-Port Fast Ethernet PoE-Plus Switch, 123.2W



GEP-0820
8-Port Gigabit PoE-Plus Switch, 61.6W

Unmanaged PoE Ethernet Switch Übersicht						
Model	IFE-0501	IFE-0502	FSW-0812	FEP-0812	FEP-0811	GEP-0820
Ethernet Port	-	-	7 x 10/100Mbps	4 x 10/100Mbps	-	-
PoE Port	4 x 10/100Mbps	4 x 10/100Mbps	1 x 10/100Mbps	4 x 10/100Mbps	8 x 10/100Mbps	8 x 10/100/1000Mbps
Fiber Port	1 x 100BASE-FX MMF SC (2km)	1 x 100BASE-FX SMF SC (30km)	-	-	-	-
MAC Table	1K	1K	2K	1K	1K	8K
Buffer Memory	512KB	512KB	128KB	64KB	64KB	128KB
Jumbo Frame	-	-	-	-	9K	9K
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af/at	IEEE 802.3af/at	IEEE 802.3af/at
PoE Power Budget	57W	57W	-	61.6W	123.2W	61.6W
Output Power Per Port	15.4W	15.4W	-	30W	30W	30W
Power Supply	External	External	External/PoE	Internal	External	External
Green Technology	-	-	-	-	-	V
Optional Accessories	POW-4801: 48V DC Power Adapter	POW-4801: 48V DC Power Adapter	-	-	-	-

Unmanaged PoE Switches



GEP-0821
8-Port Gigabit PoE-Plus Switch, 123.2W



GEP-0822
8-Port Gigabit PoE-Plus Switch, 240W



GEP-1020
8 GE PoE-Plus + 2 GE SFP Switch, 150W



GEP-1021
8 GE PoE-Plus + 2 GE SFP Switch, 250W



FEP-1611
16-Port Fast Ethernet PoE-Plus Switch, 240W



FEP-1612
16-Port Fast Ethernet PoE-Plus Switch, 480W

Unmanaged PoE Ethernet Switch Übersicht						
Model	GEP-0821	GEP-0822	GEP-1020	GEP-1021	FEP-1611	FEP-1612
Ethernet Port	-	-	-	-	-	-
PoE Port	8 x 10/100/1000Mbps	8 x 10/100/1000Mbps	8 x 10/100/1000Mbps	8 x 10/100/1000Mbps	16 x 10/100Mbps	16 x 10/100Mbps
Fiber Port	-	-	-	-	-	-
Fiber Slot	-	-	2 x 1000BASE-X SFP	2 x 1000BASE-X SFP	-	-
MAC Table	8K	8K	8K	8K	4K	4K
Buffer Memory	128KB	128KB	512KB	512KB	160KB	160KB
Jumbo Frame	9K	9K	9K	9K	-	-
PoE	IEEE 802.3af/at	IEEE 802.3af/at	IEEE 802.3af/at	IEEE 802.3af/at	IEEE 802.3af/at	IEEE 802.3af/at
PoE Power Budget	123.2W	240W	150W	250W	240W	480W
Output Power Per Port	30W	30W	30W	30W	30W	30W
Power Supply	Internal	Internal	Internal	Internal	Internal	Internal
Green Technology	V	V	V	V	-	-
Optional Accessories	-	-	-	-	-	-



GEP-1621
16-Port Gigabit PoE-Plus Switch, 240W



GEP-1622
16-Port Gigabit PoE-Plus Switch, 480W



FGP-2410
24 FE PoE-Plus + 2 GE-Kombi-SFP-Switch, 240W



FGP-2412
24 FE PoE-Plus + 2 GE-Kombi-SFP-Switch, 480W

Unmanaged PoE Ethernet Switch Übersicht				
Model	FEP-1611	FEP-1612	FGP-2410	FGP-2412
Ethernet Port	-	-	2 x 10/100/1000Mbps	2 x 10/100/1000Mbps
PoE Port	16 x 10/100/1000Mbps	16 x 10/100/1000Mbps	24 x 10/100Mbps	24 x 10/100Mbps
Fiber Port	-	-	-	-
Fiber Slot	-	-	2 x 1000BASE-X SFP	2 x 1000BASE-X SFP
MAC Table	8K	8K	4K	4K
Buffer Memory	256KB	256KB	352KB	352KB
Jumbo Frame	9K	9K	-	-
PoE	IEEE802.3af/at	IEEE802.3af/at	IEEE 802.3af/at	IEEE 802.3af/at
PoE Power Budget	240W	480W	240W	480W
Output Power Per Port	30W	30W	30W	30W
Power Supply	Internal	Internal	Internal	Internal
Green Technology	V	V	-	-
Optional Accessories	-	-	-	-

Managed PoE Switches

- Unterstützt IEEE 802.3x Voll-Duplex/Halb-Duplex Kontrolle
- Kompatibel mit IEEE-802.3af
- Bieten Auto-MDI/MDIX Funktion
- unterstützen Auto-Negotiation für Geschwindigkeit und Duplex-Modi für jeden Port



GEP-0950
8 GE PoE-Plus + 1 GE SFP-Web-Smart-Switch 130W



FSW-1671
8 FE PoE + 8 FE Web Smart Switch, 123.2W



GEP-2450
20 GE PoE-Plus + 4 GE-Kombi-SFP-Web-Smart-Switch, 185W



FGP-2472
24 FE PoE + 2 GE-Kombi-SFP L2 Managed Switch, 380W



GEP-2671
20 GE PoE-Plus + 4 GE PoE-Plus Combo SFP + 2 GE SFP L2 Managed Switch, 185W

Managed PoE Ethernet Switch Übersicht					
Model	GEP-0950	FSW-1671	GEP-2450	FGP-2472	GEP-2671
Ethernet Port	-	8 x 10/100Mbps	-	2 x 10/100/1000Mbps	-
PoE Port	8 x 10/100/1000Mbps	8 x 10/100Mbps	24 x 10/100/1000Mbps	24 x 10/100Mbps	24 x 10/100/1000Mbps
Fiber Port	-	-	-	-	-
Fiber Slot	1 x 10/100BASE-X SFP	-	4 x 100/1000BASE-X SFP	2 x 1000BASE-X SFP	2 x 1000BASE-X SFP
MAC Table	8K	4K	8K	8K	8K
Buffer Memory	512KB	192KB	500KB	256KB	512KB
Jumbo Frame	9K	-	9K	-	9K
Port Trunking	4 Groups	4 Groups	8 Groups	3 Groups	25 Groups
Management	SNMP/Web-Based	Web Based	SNMP/Web Based	SNMP/Web/Console/ Telnet/RMON	SNMP/Web/Console/ Telnet/RMON
VLAN	Port-Based / 802.1Q (16 Entries, up to 4K VID)	Port-Based / 802.1Q (20 Entries, up to 4K VID)	Port Based / 802.1Q (24 Entries, up to 4K VID)	Port Based / 802.1Q (256 Entries, up to 4K VID)	Port-Based / 802.1Q (up to 4K VID)
IGMP Snooping	V1 / V2 / V3	V1 / V2	V1 / V2	V1 / V2	-
Spanning Tree	-	-	-	IEEE 802.1d/802.1w	IEEE 802.1d/802.1w
Stacking	-	-	-	* Single IP Management	** Single IP Management
PoE	IEEE 802.3 af/at	IEEE 802.3af	IEEE 802.3af/at	IEEE 802.3af	IEEE 802.3af/at
PoE Power Budget	130W	123.2W	184.8W	380W	185W
Power Supply	Internal	Internal	Internal	Internal	Internal
Output Power Per Port	30W	15.4W	30W	15.4W	30W
Green Technology	-	-	V	-	V

* Supports up to 16 switches (GSW-0890/GSW-2693/GSW-1291/GSW-2690/FGP-1072/FGP-2472)

** Support up to 32 switches (GEL-1072/GTL-2880/GTP-2880/GTL-5280/GEP-2671/GEP-2672)

Unmanaged PoE Switches



GEP-2672
20 GE PoE-Plus + 4 GE PoE-Plus Combo SFP + 2 GE SFP L2
Managed Switch, 370W



GTP-2880
20 GE PoE + 4 GE-Kombi-SFP + 4 10GE SFP Plus L2-Plus
Managed Switch, 185W



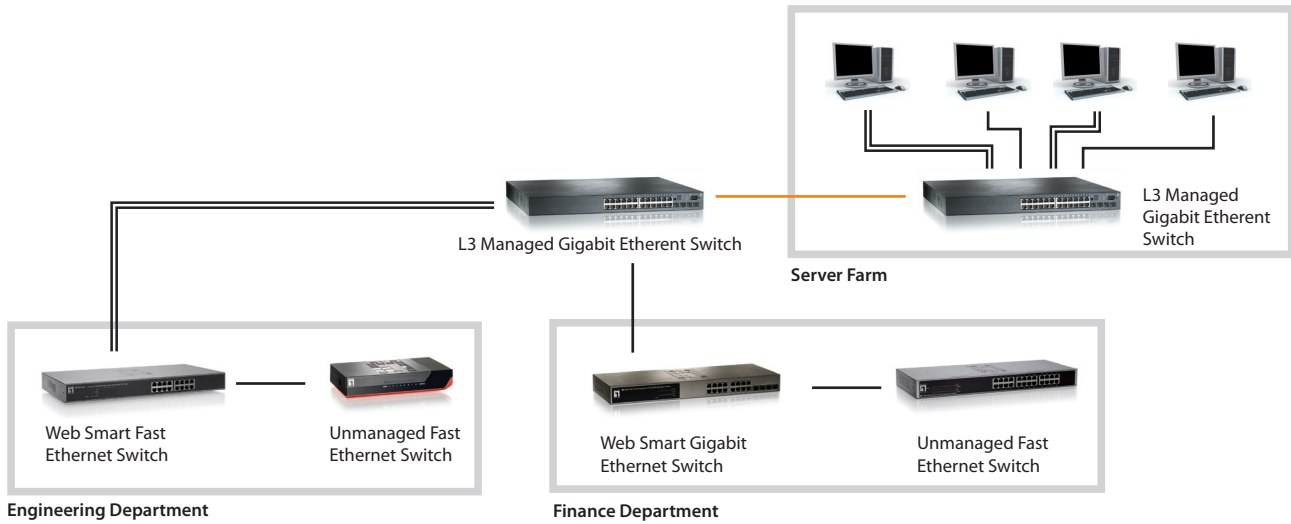
GEP-5070
48 GE PoE-Plus + 2 GE SFP L2 Managed Switch, 375 W

Managed PoE Ethernet Switch Übersicht			
Model	GEP-2672	GTP-2880	GEP-5070
Ethernet Port	-	-	-
PoE Port	24 x 10/100/1000Mbps	24 x 10/100/1000Mbps	48 x 10/100/1000Mbps
Fiber Port	-	-	-
Fiber Slot	6 x 10/100BASE-X-SFP	4 x 1000BASE-X-SFP 4 x 10G SFP-Plus	2x 1000BASE-X SFP
MAC Table	8K	8K	32K
Buffer Memory	512KB	4096KB	512KB
Jumbo Frame	9K	9.8K	10K
Port Trunking	25 Groups	24 Group	25 Groups
Management	SNMP/Web/Console/Telnet/RMON	SNMP/Telnet/Web Based/RMON	SNMP/Web-based/RMON
VLAN	Port Based / 802.1Q(up to 4K VID)	Port Based / 802.1Q(up to 4K VID)	Port Based / 802.1Q(up to 4K VID)
IGMP Snooping	V1 / V2 / V3	V1 / V2 / V3	V1/V2
Spanning Tree	IEEE 802.1d/802.1w/802.1s	IEEE 802.1d/802.1w/802.1s	IEEE 802.1d/802.1w/802.1s
Stacking	*Single IP Management	*Single IP Management	-
PoE	IEEE 802.3af/at	IEEE 802.3af/at	IEEE 802.3af/at
PoE Power Budget	370W	185W	375W
Power Supply	Internal	Internal	Internal
Output Power Per Port	30W	30W	30W
Green Technology	V	V	-

* Unterstützt bis zu 32 Switches (GEL-1072/GTL-2880/GTP-2880/GTL-5280/GEP-2671/GEP-2672)

LevelOne bietet eine umfassende Auswahl von Ethernet-Switches. Von Unmanaged Switches mit einfacher Plug&Play Installation, bis hin zu Layer 3 Routing Switches - wir haben den richtigen Switch für Sie.

- Ethernet Cable (RJ-45)
- Fiber
- Stacking Cable



Unmanaged Non-PoE Ethernet Switches

- Unterstützt IEEE 802.3x Voll-Duplex/Halb-Duplex Kontrolle
- Bieten Auto-MDI/MDIX Funktion
- unterstützen Auto-Negotiation für Geschwindigkeit und Duplex-Modi für jeden Port



FEU-0510
5-Port Fast Ethernet Switch



FEU-0511
4 Port Fast Ethernet Switch + 1 MMF SC



GSW-0509
5-Port Gigabit Switch (internes Netzteil)



GEU-0520
5-Port Gigabit Switch



GEU-0521
4 GE + 1 GE SFP Switch



FEU-0810
8-Port Fast Ethernet Switch

Unmanaged Non-PoE Ethernet Switch Comparison						
Model	FEU-0510	FEU-0511	GSW-0509	GEU-0520	GEU-0521	FEU-0810
Ethernet Port	5 x 10/100Mbps	4 x 10/100/1000Mbps	5 x 10/100/1000Mbps	5 x 10/100/1000Mbps	4 x 10/100/1000Mbps	8 x 10/100Mbps
Fiber Port	-	1 x 100BASE-FX MMF SC (2km)	-	-	-	-
Fiber Slot	-	-	-	-	1 x 1000BASE-X SFP	-
Expansion Slot	-	-	-	-	-	-
MAC Table	2K	1K	8K	8K	1K	1K
Buffer Memory	48KB	384KB	125KB	128KB	104KB	96KB
Jumbo Frame	-	-	9K	9K	9K	-
Power Supply	Internal	External	Internal	External	External	Internal
Green Technology	V	-	V	V	-	V

Unmanaged Non-PoE Ethernet Switches



GSW-0809
8-Port Gigabit Switch



GEU-0820
8-Port Gigabit Switch



FEU-1610
16-Port Fast Ethernet Switch



FSW-1650
16-Port Fast Ethernet Switch



GSW-1657
16-Port Gigabit Switch

Unmanaged Non-PoE Ethernet Switch Übersicht					
Model	GSW-0809	GEU-0820	FEU-1610	FSW-1650	GSW-1657
Ethernet Port	8 x 10/100/1000Mbps	8 x 10/100/1000Mbps	16 x 10/100Mbps	16 x 10/100Mbps	16 x 10/100/1000Mbps
Fiber Port	-	-	-	-	-
Expansion Slot	-	-	-	-	-
MAC Table	8K	8K	8K	8K	8K
Buffer Memory	125KB	128KB	256KB	160KB	512KB
Jumbo Frame	9K	9K	-	-	10K
Power Supply	Internal	External	Internal	Internal	Internal
Green Technology	V	V	V	V	-



GEU-1621
16-Port Gigabit Switch



GEU-1628
16 GE + 2 GE SFP Switch



GEU-1629
16 GE + 4 GE SFP Switch



FEU-2410
24-Port Fast Ethernet Switch



FSW-2450
24-Port Fast Ethernet Switch



GEU-2428
24 GE + 2 GE SFP Switch

Unmanaged Non-PoE Ethernet Switch Übersicht						
Model	GEU-1621	GEU-1628	GEU-1629	FEU-2410	FSW-2450	GEU-2428
Ethernet Port	16 x 10/100/1000Mbps	16 x 10/100/1000Mbps	16 x 10/100/1000Mbps	24 x 10/100Mbps	24 x 10/100Mbps	24 x 10/100/1000Mbps
Fiber Port	-	-	-	-	-	-
Fiber Slot	-	2 x 1000BASE-X SFP	4 x 1000BASE-X SFP	-	-	2 x 1000BASE-X SFP
Expansion Slot	-	-	-	-	-	-
MAC Table	8K	16K	16K	8K	8K	16K
Buffer Memory	256KB	448KB	448KB	256KB	160KB	448KB
Jumbo Frame	9K	9K	9K	-	-	9K
Power Supply	Internal	Internal	Internal	Internal	Internal	Internal
Green Technology	V	V	V	V	V	V

Unmanaged Non-PoE Ethernet Switches



GEU-2429
24 GE + 4 GE SFP Switch



GSW-2457
24-Port Gigabit Switch



GSW-5150
48 FE + 2 GE + 1 GE SFP Switch



GSW-2453
3-Slot Gigabit Modular Switch

Unmanaged Non-PoE Ethernet Switch Übersicht				
Model	GEU-2429	GSW-2457	GSW-5150	GSW-2453
Ethernet Port	24 x 10/100/1000Mbps	24 x 10/100/1000Mbps	48 x 10/100Mbps 2 x 10/100/1000Mbps	Up to 24 x 10/100/1000Mbps (Optional)
Fiber Port	-	-	-	-
Fiber Slot	4 x 1000BASE-X SFP	-	1 x 1000BASE-X SFP	Up to 24 x 1000BASE-X SFP (Optional)
Expansion Slot	-	-	-	3
MAC Table	16K	8K	8K	4K
Buffer Memory	448KB	512KB	128KB	256KB
Jumbo Frame	9K	10K	-	9K
Power Supply	Internal	Internal	Internal	Internal
Green Technology	V	-	-	-
Optional Accessories	-	-	-	MDU-2453T : 8-Port 10/100/1000TX Module MDU-2453M : 8-Port SFP Module MDU-2453TM: 4-Port 1000T+ 4-Port SFP Module

Managed Non-PoE Ethernet Switches

- Unterstützt IEEE 802.3x Voll-Duplex/Halb-Duplex Kontrolle
- Bieten Auto-MDI/MDIX Funktion
- unterstützen Auto-Negotiation für Geschwindigkeit und Duplex-Modi für jeden Port



GES-0852
7 GE + 1 GE-Kombi-SFP-Web-Smart-Switch



GSW-1290
4 GE-Kombi-SFP + 2 GE Expandable Slots
L2 Managed Switch



GEL-1072
8 GE + 2 GE-Kombi-SFP L2 Managed Switch



GES-1652
16 GE + 2 GE SFP Web Smart Switch



GES-1651
16 GE with 2 Shared SFP-Web-Smart-Switch



GEL-2670
24 GE + 2 GE SFP L2 Managed Switch

Managed Non-PoE Ethernet Switch Übersicht						
Model	GES-0852	GSW-1290	GEL-1072	GES-1652	GES-1651	GEL-2670
Ethernet Port	8 x 10/100/1000 Mbps	Up to 12 x 10/100/1000Mbps (Optional)	10 x 10/100/1000Mbps	16 x 10/100/1000Mbps	16 x 10/100/1000Mbps	24 x 10/100/1000Mbps
Fiber Port	-	-	-	-	-	-
Fiber Slot	1 x 1000BASE-X SFP	Up to 12 x 1000BASE-X SFP (Optional)	2 x 1000BASE-X SFP	2 x 1000BASE-X SFP	2 x 1000BASE-X SFP	2 x 1000BASE-X SFP
Expansion Slot	-	2	-	-	-	-
MAC Table	8K	16K	8K	16K	8K	8K
Buffer Memory	180KB	1024KB	1024KB	448KB	4086KB	512K
Port Trunking	4 Groups	6 Groups	5 Groups	8 Groups	-	13 Groups
Jumbo Frame	9K	9K	9K	9K	10K	10K
Management	SNMP/Web-based	SNMP/Web/Console/ Telnet/RMON	SNMP/Telnet/RMON	SNMP/Web-Based	SNMP/RMON	SNMP/Web-based
VLAN	Port Based / 802.1Q (8 Entries, up to 4K VID)	Port Based / 802.1Q (up to 255K)	Port Based / 802.1Q (up to 4K VID)	Port Based / 802.1Q (8 Entries, up to 4K VID)	802.1Q (upt to 4096VID)	Port Based / 802.1Q (8 Entries, up to 4K VID)
IGMP Snooping	-	V1 / V2	V1 / V2	V1 / V2 / V3	V1 / V2 / V3	V1 / V2 / V3
Spanning Tree	-	IEEE 802.1d/802.1w/ 802.1s	IEEE 802.1d/802.1w/ 802.1s	IEEE 802.1d/802.1s	IEEE 802.1d/802.1w/ 802.1s	IEEE 802.1d/802.1w/ 802.1s
Stacking	-	Hardware Stacking	* Single IP Management	-	-	-
Power Supply	Internal	Internal	Internal	Internal	Internal	Internal
Green Technology	-	-	V	V	-	-
Optional Accessories	-	MDU-1290T: 4-Port 10/100/1000TX Module MDU-1290M: 4-Port SFP Module MDU-1290S: 4-Port Stacking Module	-	-	-	-

* Unterstützt bis zu 32 Switches (GEL-1072/GTL-2880/GTP-2880/GTL-5280/GEP-2671/GEP-2672)

Managed Non-PoE Ethernet Switches



GES-1650
16 GE + 4 GE SFP Web Smart Switch



GES-2452
24 GE + 2 GE SFP Web Smart Switch



FGL-2870
24 FE + 4 GE-Kombi-SFP L2 Managed Switch



GSW-2473
24 FE + 2 GE-Kombi-SFP-Web-Smart-Switch



GES-2451
24 GE with 4 Shared SFP-Web-Smart-Switch



GES-2450
24 GE + 4 GE SFP Web Smart Switch

Managed Non-PoE Ethernet Switch Übersicht						
Model	GES-1650	GES-2452	FGL-2870	GSW-2473	GES-2451	GES-2450
Ethernet Port	16 x 10/100/1000Mbps	24 x 10/100/1000Mbps	24 x 10/100Mbps 4 x 10/100/1000Mbps	24 x 10/100Mbps 2 x 10/100/1000Mbps	24 x 10/100/1000Mbps	24 x 10/100/1000Mbps
Fiber Port	-	-	-	-	-	-
Fiber Slot	4 x 1000BASE-X SFP	2 x 1000BASE-X SFP	4 x 1000BASE-X SFP	2 x 1000BASE-X SFP	4 x 1000BASE-X SFP	4 x 1000BASE-X SFP
Expansion Slot	-	-	-	-	-	-
MAC Table	16K	16K	8K	4K	8K	16K
Buffer Memory	448KB	448KB	128KB	256KB	4086KB	448KB
Port Trunking	8 Groups	8 Groups	4 Groups	4 Groups	-	8 Groups
Jumbo Frame	9K	9K	10K	9K	10K	9K
Management	SNMP/Telnet/ Web-Based/Console	SNMP/Web-Based	SNMP/Telnet/Web-Based Console/RMON	Web-Based	SNMP/RMON	SNMP/Web-Based/RMON
VLAN	Port Based / 802.1Q (256 Entries, up to 4K VID)	Port Based / 802.1Q (8 Entries, up to 4K VID)	Port Based / 802.1Q (255 Entries up to 4K VID)	Port Based / 802.1Q (32 Entries, up to 4K VID)	802.1Q (upto 4096VID)	Port Based / 802.1Q (8 Entries, up to 4K VID)
IGMP Snooping	V1 / V2 / V3	V1 / V2 / V3	V1 / V2	-	V1 / V2 / V3	V1 / V2 / V3
Spanning Tree	IEEE 802.1d/802.1s	IEEE 802.1d/802.1s	IEEE 802.1d/802.1w/ 802.1s	-	IEEE 802.1d/802.1w/ 802.1s	IEEE 802.1d/802.1s
Stacking	-	-	* Single IP Management	-	-	-
Power Supply	Internal	Internal	Internal	Internal	Internal	Internal
Green Technology	V	V	-	-	-	V
Optional Accessories	-	-	-	-	-	-

* Unterstützt bis zu 36 Switches (GEL-2870/GTL-2690)

Managed Non-PoE Ethernet Switches



GTL-2691
20 GE + 4 GE Kombi-SFP + 2 10-G-Steckplätze,
L3-verwalteter stapelbarer Switch



GEL-2870
24 GE + 4 GE-Kombi-SFP L2 Managed Switch



GTL-2880
20 GE + 4 GE-Kombi-SFP + 4 10GE SFP-Plus
L2-Plus Managed Switch



GSW-4876
44 GE + 4 GE-Kombi-SFP-Web-Smart-Switch



GTL-5280
44 GE + 4 GE-Kombi-SFP + 4 10GE SFP-Plus
L2-Plus Managed Switch



MSL-3579
3-Slot Gigabit Modular L2 Managed Switch

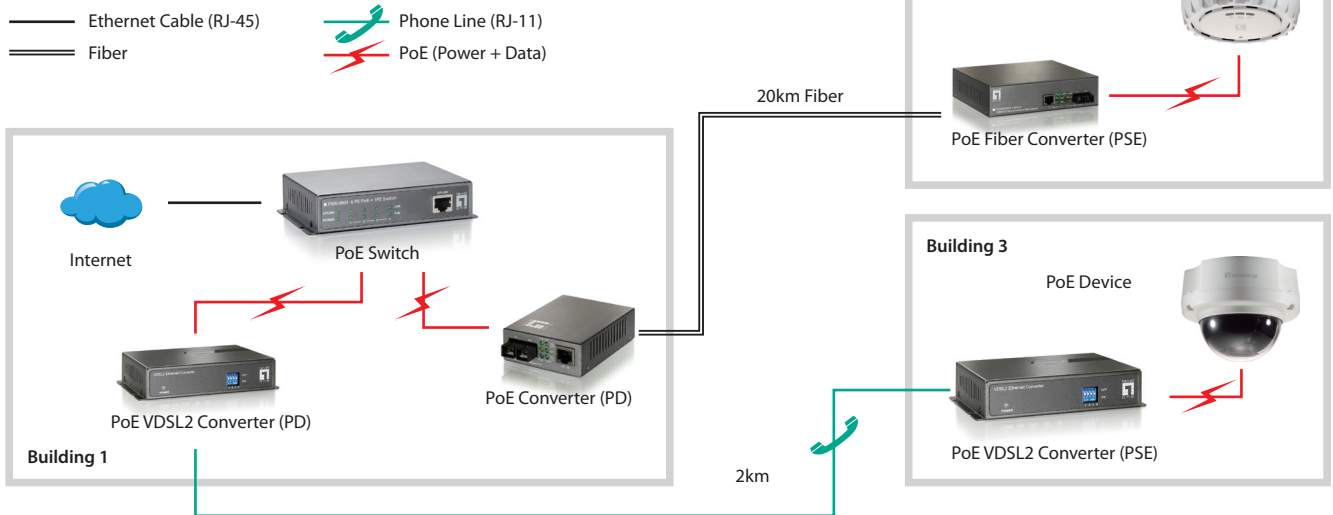
Managed Non-PoE Ethernet Switch Übersicht						
Model	GTL-2691	GEL-2870	GTL-2880	GSW-4876	GTL-5280	MSL-3579
Ethernet Port	20 x 10/100/1000Mbps	28 x 10/100/1000Mbps	24 x 10/100/1000Mbps	48 x 10/100/1000Mbps	48 x 10/100/1000Mbps	Up to 24 x 10/100/1000Mbps (Optional)
Fiber Port	-	-	-	-	-	-
Fiber Slot	4 x 1000BASE-X SFP	4 x 1000BASE-X SFP	4 x 1000BASE-X SFP 4 x 10G SFP-Plus	4 x 1000BASE-X SFP	4 x 1000BASE-X SFP 4 x 10G SFP-Plus	Up to 24 x 1000BASE-X SFP (Optional)
Expansion Slot	2	-	-	-	-	3
MAC Table	16K	8K	8K	8K	8K	16K
Buffer Memory	2048KB	1792KB	4096KB	512KB	8192KB	768KB
Port Trunking	32 Groups	14 Groups	14 Groups	25 Group	26 Groups	7 Groups
Jumbo Frame	9K	9K	9.8K	9K	9.8K	10K
Management	SNMP/Telnet/Web-Based/ Console/RMON	SNMP/Telnet/Web-Based/ Console/RMON	SNMP/Telnet/Web-Based/ RMON	SNMP/Telnet/ Web-Based/RMON	SNMP/Telnet/Web-Based/ RMON	SNMP/Telnet/Web-Based/ Console/RMON
VLAN	Port Based / 802.1Q (Up to 4K VID)	Port Based / 802.1Q (255 Entries, up to 4K VID)	Port Based / 802.1Q (up to 4K VID)	Port Based / 802.1Q (256 Entries, up to 4K VID)	Port Based / 802.1Q (up to 4K VID)	Port Based / 802.1Q (256 Entries, up to 4K VID)
IGMP Snooping	V1 / V2 / V3	V1 / V2	V1 / V2 / V3	V1 / V2 / V3	V1 / V2 / V3	V1 / V2
Spanning Tree	IEEE 802.1d/802.1w/ 802.1s	IEEE 802.1d/802.1w/ 802.1s	IEEE 802.1d/802.1w/ 802.1s	IEEE 802.1d/802.1w/ 802.1s	IEEE 802.1d/802.1w/ 802.1s	IEEE 802.1d/802.1w
Stacking	Hardware Stacking	-	* Single IP Management	-	* Single IP Management	-
Power Supply	Internal	Internal	Internal	Internal	Internal	Internal
Green Technology	-	V	V	-	V	-
Optional Accessories	MDU-0162: - 10GE XFP Module MDU-0163: 10G SFP-Plus Module ACP-03K2: 30cm Stacking Cable ACP-13K2: 130cm Stacking Cable RPS-04A2: Redundant Power Supply Unit	-	-	-	-	MDU-2453T: 8-Port 10/100/1000TX Module MDU-2453M: 8-Port SFP Module MDU-2453TM: 4 GE + 4 GE SFP Module

* Unterstützt bis zu 32 Switches (GEL-1072/GTL-2880/GTP-2880/GTL-5280/GEP-2671/GEP-2672)

LevelOne bietet einzigartige Konverter-Lösungen. Unsere Medien-Konverter machen das Überbrücken von großen Distanzen zum Kinderspiel. Mit integrierter PoE-Funktion tragen unsere Konverter zur Energieeffizienz des Netzwerkes bei und bieten höchste Flexibilität in Sachen Installation. Die neueste Generation der VDSL2 Konverter z.B., bieten die Möglichkeit der Datenübertragung von bis zu 2km über 2-Draht-Leitungen.

Key Features

- Compatible with IEEE 802.3/ 802.3u standards
- Supports IEEE 802.3x full-duplex / half-duplex backpressure flow control
- Auto-negotiation and Auto MDI/MDI-X, Half/Full Duplex mode
- Features Link-Loss forwarding Technology
- DHCP client for easy IP address setup
- ICMP and ARP protocols supported



Ethernet Media Konverter



FVS-3800
10/100BASE-TX auf 100BASE-X SFP Konverter



GVS-3800
10/100/1000BASE-T auf 1000BASE-X SFP Konverter



FVS-3200
10/100BASE-TX auf 100BASE-FX MMF SC Konverter



GVS-3200
10/100/1000BASE-T auf 1000BASE-SX MMF SC Konverter



FVS-3120
10/100BASE-TX auf 100BASE-LX SMF SC Konverter



GVS-3110
10/100/1000BASE-T auf 1000BASE-LX10 SMF SC Konverter

Ethernet Media Konverter Übersicht						
Model	FVS-3800	GVS-3800	FVS-3200	GVS-3200	FVS-3120	GVS-3110
Media Conversion	RJ-45 to SFP	RJ-45 to SFP	RJ-45 to MMF SC	RJ-45 to MMF SC	RJ-45 to SMF SC	RJ-45 to SMF SC
Max. Speed	100Mbps	1000Mbps	100Mbps	1000Mbps	100Mbps	1000Mbps
Distance	Depends on Transceivers	Depends on Transceivers	2 km	2km	20km	10km
Dip Switches	-	-	-	-	-	-
Optional Accessories	CVH-3000: 12-Slot Media Converter					

Ethernet Media Konverter



FVT-0103TXFC
10/100BASE-TX auf 100BASE-FX Multi-Mode SC Fiber Konverter (mit PoE)



FVT-0104TXFC
10/100BASE-TX auf 100BASE-FX Single-Mode SC Fiber Konverter (mit PoE)



FVT-0203TXFC
10/100BASE-TX auf 100BASE-FX Multi-Mode SC Fiber Konverter (mit PoE Injektor)



FVT-0204TXFC
10/100BASE-TX auf 100BASE-FX Single-Mode SC Fiber Konverter (mit PoE Injektor)



FVT-4001 / FVT-4301
10/100BASE-TX auf 100BASE-FX Multi/Single-Mode Fiber Konverter (SC)



FVT-4002
10/100BASE-TX auf 100BASE-FX Multi-Mode Fiber Konverter (ST)

Ethernet Media Konverter Übersicht						
Model	FVT-0103TXFC	FVT-0104TXFC	FVT-0203TXFC	FVT-0204TXFC	FVT-4001 / FVT-4301	FVT-4002
Media Conversion	RJ-45 to MMF SC	RJ-45 to SMF SC	RJ-45 to MMF SC	RJ-45 to SMF SC	RJ-45 to MMF SC/ RJ-45 to SMF SC	RJ-45 to MMF ST
Max. Speed	100Mbps	100Mbps	100Mbps	100Mbps	100Mbps	100Mbps
Distance	2km	20km	2km	20km	2km / 30km	2km
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	-	-
PoE Power Budget	-	-	15.4W	15.4W	-	-
Power Supply	External/PoE	External/PoE	External	External	External	External
Dip Switches	V	V	V	V	V	V
Optional Accessories	CVH-3000: 12-Slot Media Converter		-	-	FVT-4000: 10-Slot Media Converter Chassis with Redundant Power Supply	



GVT-4000
10/100/1000BASE-T auf 1000BASE-X Fiber Konverter (SFP)



GVT-4001
10/100/1000BASE-T auf 1000BASE-SX Multi-Mode Fiber Konverter (SC)



FVT-6001/FVT-6301
10/100BASE-TX auf 100BASE-FX Multi/Single Fiber Konverter (mit TS-1000 Unterstützung)



FVT-2001
10/100BASE-TX-zu-100BASE-FX-MMFSC-Konverter



FVT-2201
10/100BASE-TX-zu-100BASE-FX-SMFSC-Konverter



FVT-2401
10/100BASE-TX-zu-100BASE-FX-SMFSC-Konverter

Ethernet Media Konverter Übersicht						
Model	GVT-4000	GVT-4001	FVT-6001/FVT-6301	FVT-2001	FVT-2201	FVT-2401
Media Conversion	RJ-45 to SFP	RJ-45 to MMF SC	RJ-45 to MMF SC/ RJ-45 to SMF SC	RJ-45 to MMF	RJ-45 to SMF SC	RJ-45 to SMF SC
Max. Speed	1000Mbps	1000Mbps	100Mbps	100Mbps	100Mbps	100Mbps
Distance	Depends on Transceivers	Depends on Transceivers	2km / 30km	2km	20km	40km
PoE	-	-	-	-	-	-
PoE Power Budget	-	-	-	-	-	-
Power Supply	External	External	External	External	External	External
Dip Switches	V	V	V	V	V	V
Optional Accessories	FVT-4000: 10-Slot Media Converter Chassis with Power Supply	FVT-5000: 16-Slot Managed Converter Chassis with Redundant Redundant Power Supply	CVH-2000: 14-Slot Media Converter Chassis with Redundant Power Supply			



FVT-2002
10/100BASE-TX zu 100BASE-FX-MMF-ST-Konverter



GVT-2000
10/100/1000BASE-T zu 1000BASE-X-SFP-Wandler



GVT-2001
10/100/1000BASE-T zu 1000BASE-SX-MMFSC-Wandler



FVT-5001
10/100BASE-TX to 100BASE-FX Multi-Mode Module with TS-1000 Support (SC)

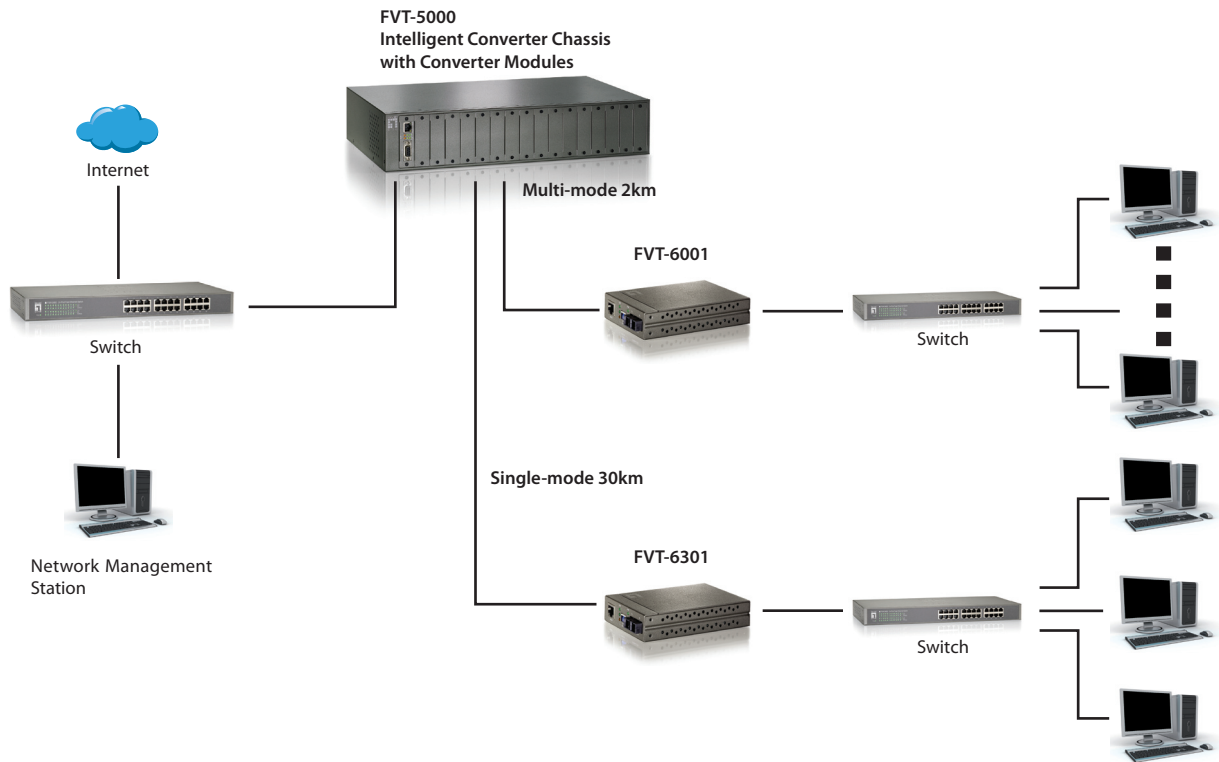


FVT-5301
10/100BASE-TX to 100BASE-FX Single-Mode Module with TS-1000 Support (SC)

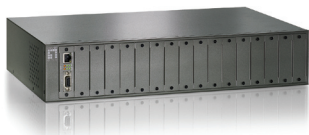


GVT-5000
10/100/1000BASE-TX to 1000BASE-FX-SFP Module

Ethernet Media Konverter Übersicht						
Model	FVT-2002	GVT-2000	GVT-2001	FVT-5001	FVT-5301	GVT-5000
Media Conversion	RJ-45 to MMF ST	RJ-45 to SFP	RJ-45 to MMF SC	RJ-45 to MMF SC	RJ-45 to SMF SC	RJ-45 to SFP
Max. Speed	100Mbps	1000Mbps	1000Mbps	100Mbps	100Mbps	1000Mbps
Distance	2km	Depends on Transceivers	Depends on Transceivers	2km	30km	Depends on Transceiver
PoE	-	-	-	-	-	-
PoE Power Budget	-	-	-	-	-	-
Power Supply	External	External	External	-	-	-
Dip Switches	V	V	V	-	-	-
Optional Accessories	CVH-2000: 14-Slot Media Converter Chassis with Redundant Power Supply			FVT-5000: 16-Slot Managed Converter Chassis with Redundant Power Supply		



Konverter Chassis mit redundanten Netzteil



FVT-5000
Managed Konverter Chassis mit redundanten Netzteil



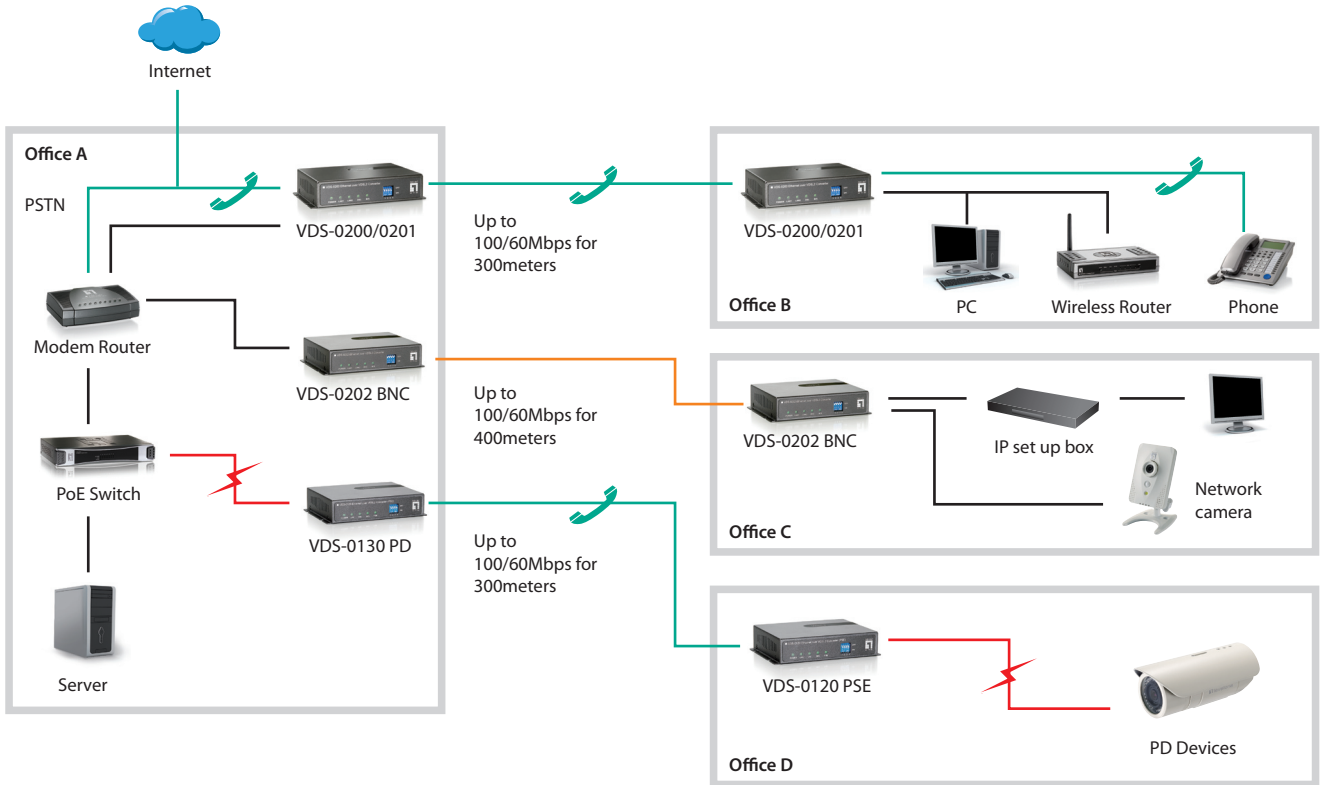
FVT-4000
10-Slot Media Konverter Gehäuse mit redundantem Netzteil



CVH-2000
14-Slot Media Konverter Gehäuse

Konverter Gehäuse Übersicht			
Model	FVT-5000	FVT-4000	CVH-2000
Slot	16	10	14
Redundant Power	V	V	V
Management	SNMP/WEB UI/Telnet/Console	-	-
Optional Converter Module	FVT-5001, FVT-5301, GVT-5000	FVT-4001, FVT-4002, FVT-4301, GVT-400, GVT-4001	FVT-2001, FVT-2002, FVT-2201, GVT-2001, GVT-2000
Optional SFP Module	GVT-0300, GVT-0301, GVT-0302	GVT-0300, GVT-0301, GVT-0302	-
Manage Converter	FVT-6001, FVT-6301	-	-

- Ethernet Cable (RJ-45)
- Phone Line (RJ-11)
- PoE
- BNC



Key Features

- Trellis-Kodierung unterstützt bis zu 1024 diskrete Multi-Ton Ablagen und 4 DIP-Schalter für Konfigurationseinstellungen
- Auto-MDIX für 10/100BaseT Ethernet LAN-Ports
- Niedrige Latenzzeiten für Video-, Sprach- und Datenanwendungen
- Unterstützt Line Powered VDSL2 Verbindungen



VDS-0200
Ethernet over VDSL2 Konverter (Annex A)



VDS-0201
Ethernet over VDSL2 Konverter (Annex B)



VDS-0202
Ethernet over VDSL2 Konverter (BNC)



VDS-0120
Ethernet over VDSL2 Konverter (PSE)



VDS-0130
Ethernet over VDSL2 Konverter (PD)



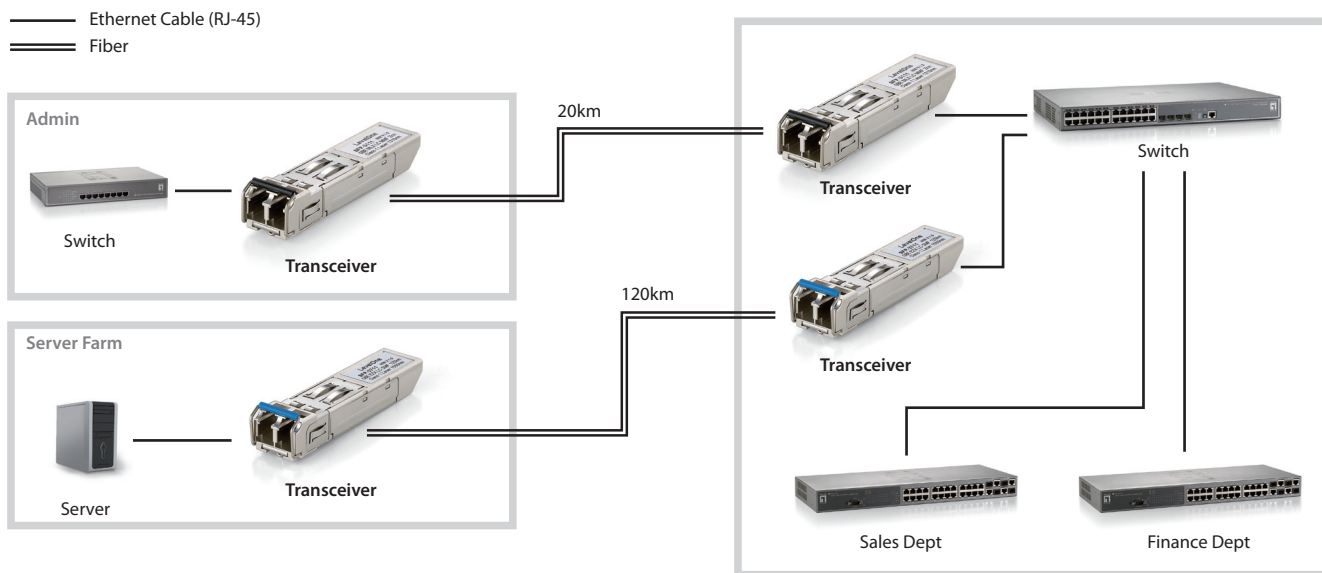
VDS-0110 / VDS-0111
Ethernet over VDSL2 Converter
(Sender / Receiver)

VDSL2 Media Konverter Übersicht						
Model	VDS-0200	VDS-0201	VDS-0202	VDS-0120	VDS-0130	VDS-0110 / VDS-0111
Media Conversion	RJ-45 to RJ-11	RJ-45 to RJ-11	RJ-45 to Coaxial	RJ-45 to RJ-11	RJ-45 to RJ-11	RJ-45 to RJ-11
VDSL2 Speeds	100/60Mbps	100/60Mbps	100/60Mbps	100/60Mbps	100/60 Mbps	100/50Mbps
PoE	-	-	-	IEEE 802.3af	IEEE 802.3af	-
PoE Power Budget	-	-	-	15.4W	-	-
Power Supply	External	External	External	External	External/PoE	External
Distance	300m	300m	400m	300m	300m	350m
RJ-11 Telephone Port	1	1	-	-	-	-
Dip Switch	V	V	V	V	V	V
Optional Accessories	POC-4001: 8-Bay Media Converter Chassis			-	-	-

Die BI-DI (bi-direktionale) SFP-Transceiver nutzen die WDM-Technologie. Die WDM (Wave Division Multiplexing)- Technologie ist für Glasfaserübertragungen konzipiert, um mehrere optische Signale über eine Glasfaserleitung bei verschiedenen Wellenlängen zu übertragen. Dies ermöglicht eine Vervielfachung der Kapazität sowie die bi-direktionale Kommunikation über nur eine Glasfaserleitung.

Key Features

- +3.3V Stromversorgung
- Entspricht Laser Klasse 1
- Plug&Play Installation
- Kompatibel mit LevelOne Switches und Konverter



155M SFP Duplex LC Fiber



SFP-1101
155M MMF SFP Transceiver



SFP-1311
155M SMF SFP Transceiver



SFP-1411
155M SMF SFP Transceiver

1.25G SFP Duplex LC Fiber



GVT-0300
1.25G MMF SFP Transceiver



GVT-0301
1.25G SMF SFP Transceiver



GVT-0302
1.25G SMF SFP Transceiver

Transceiver Übersicht						
Model	SFP-1101	SFP-1311	SFP-1411	GVT-0300	GVT-0301	GVT-0302
Single/Multi-Mode	MMF	SMF	SMF	MMF	SMF	SMF
Date Rate	155Mbps	155Mbps	155Mbps	1.25Gbps	1.25Gbps	1.25Gbps
Wavelength	1310nm	1310nm	1310nm	850nm	1310nm	1550nm
Transmission Range	2km (50/125µm)	20km (9/125µm)	40km (9/125µm)	550m (50/125µm)	10km (9/125µm)	80km (9/125µm)
Connector	Duplex LC	Duplex LC	Duplex LC	Duplex LC	Duplex LC	Duplex LC

* LevelOne Transceiver sind kompatibel zu GVT-4000/5000 und den Switchen GSW- 0508/1621/2453/5150/0841/2473/2476/4876/5270/0809/1290/2693/4896 ; FGP-1072/2410/2412/GEL-1072/GEU-0521/1628/GES-0852/GTP-2880/ GTL-2880/ GTL-5280; GEP-0950/2671/2672/5070

1.25G SFP Duplex LC Fiber



SFP-3001
1.25G MMF SFP Transceiver



SFP-3211
1.25G SMF SFP Transceiver



SFP-3611
1.25G SMF SFP Transceiver



SFP-3111
1.25G MMF SFP Transceiver



SFP-3711
1.25G SMF SFP Transceiver



SFP-7321
155M SMF BIDI SFP Transceiver

155M BIDI Simplex LC Fiber

Transceiver Übersicht						
Model	SFP-3001	SFP-3211	SFP-3611	SFP-3111	SFP-3711	SFP-7321
Single/Multi-Mode	MMF	SMF	SMF	MMF	SMF	SMF
Date Rate	1.25Gbps	1.25Gbps	1.25Gbps	1.25Gbps	1.25Gbps	155Mbps
Wavelength	850nm	1310nm	1550nm	1310nm	1550nm	1310nm/1550nm
Transmission Range	550m (50/125µm)	10km (9/125µm)	80km (9/125µm)	2km (50/125µm)	120km (50/125µm)	20km (9/125µm)
Connector	Duplex LC	Duplex LC	Duplex LC	Duplex LC	Duplex LC	Simplex LC

* LevelOne Transceiver sind kompatibel zu GVT-4000/5000 und den Switchen GSW- 0508/1621/2453/5150/0841/2473/2476/4876/5270/0809/1290/2693/4896 ; FGP-1072/2410/2412/GEL-1072/GEU-0521/1628/GES-0852/GTP-2880/ GTL-2880/ GTL-5280; GEP-0950/2671/2672/5070

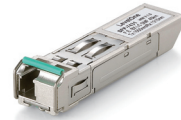
155M BIDI Simplex LC Fiber



SFP-7331
155M SMF BIDI SFP Transceiver



SFP-7421
155M SMF BIDI SFP Transceiver



SFP-7431
155M SMF BIDI SFP Transceiver

1.25G BIDI Simplex LC Fiber



SFP-9221
1.25G SMF BIDI SFP Transceiver



SFP-9231
1.25G SMF BIDI SFP Transceiver

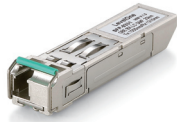


SFP-9321
1.25G SMF BIDI SFP Transceiver

Transceiver Comparison						
Model	SFP-7331	SFP-7421	SFP-7431	SFP-9221	SFP-9231	SFP-9321
Single/Multi-Mode	SMF	SMF	SMF	SMF	SMF	SMF
Date Rate	155Mbps	155Mbps	155Mbps	1.25Gbps	1.25Gbps	1.25Gbps
Wavelength	1550nm/1310nm	1550nm/1310nm	1550nm/1310nm	1310nm/1550nm	1550nm/1310nm	1550nm/1310nm
Transmission Range	20km (9/125µm)	40km (9/125µm)	40km (9/125µm)	10km (9/125µm)	10km (9/125µm)	20km (9/125µm)
Connector	Simplex LC	Simplex LC	Simplex LC	Simplex LC	Simplex LC	Simplex LC

* LevelOne Transceiver sind kompatibel zu GVT-4000/5000 und den Switchen GSW- 0508/1621/2453/5150/0841/2473/2476/4876/5270/0809/1290/2693/4896 ; FGP-1072/2410/2412/GEL-1072/GEU-0521/1628/GES-0852/GTP-2880/ GTL-2880/ GTL-5280; GEP-0950/2671/2672/5070

1.25G SFP Duplex LC Fiber



SFP-9331
1.25G SMF BIDI SFP Transceiver



SFP-9421
1.25G SMF BIDI SFP Transceiver



SFP-9431
1.25G SMF BIDI SFP Transceiver

1.25G Copper Transceiver



SFP-3841
1.25G Copper Transceiver

10G XFP Duplex LC Fiber



XFP-5901
10G MMF XFP Transceiver



XFP-5211
10G SMF XFP Transceiver

Transceiver Übersicht						
Model	SFP-9331	SFP-9421	SFP-9431	SFP-3841	XFP-5901	XFP-5211
Single/Multi-Mode	SMF	SMF	SMF	-	MMF	SMF
Date Rate	1.25Gbps	1.25Gbps	1.25Gbps	1.25Gbps	10Gbps	10Gbps
Wavelength	1550nm/ 1310nm	1550nm/ 1310nm	1550nm/ 1310nm	-	850nm	1310nm
Transmission Range	20km (9/125µm)	40km (9/125µm)	40km (9/125µm)	100m (Cat. 5 Cable)	300m (OM3 MMF Fiber)	10km
Connector	Simplex LC	Simplex LC	Simplex LC	RJ-45	Duplex LC	Duplex LC

* LevelOne Transceiver sind kompatibel zu GVT-4000/5000 und den Switchen GSW- 0508/1621/2453/5150/0841/2473/2476/4876/5270/0809/1290/2693/4896 ; FGP-1072/2410/2412/GEL-1072/GEU-0521/1628/GES-0852/GTP-2880/ GTL-2880/ GTL-5280; GEP-0950/2671/2672/5070

10G SFP Duplex LC Fiber



SFP-6101
10Gbp MMF SFP-Plus Transceiver



SFP-6121
10Gbps SMF SFP-Plus Transceiver

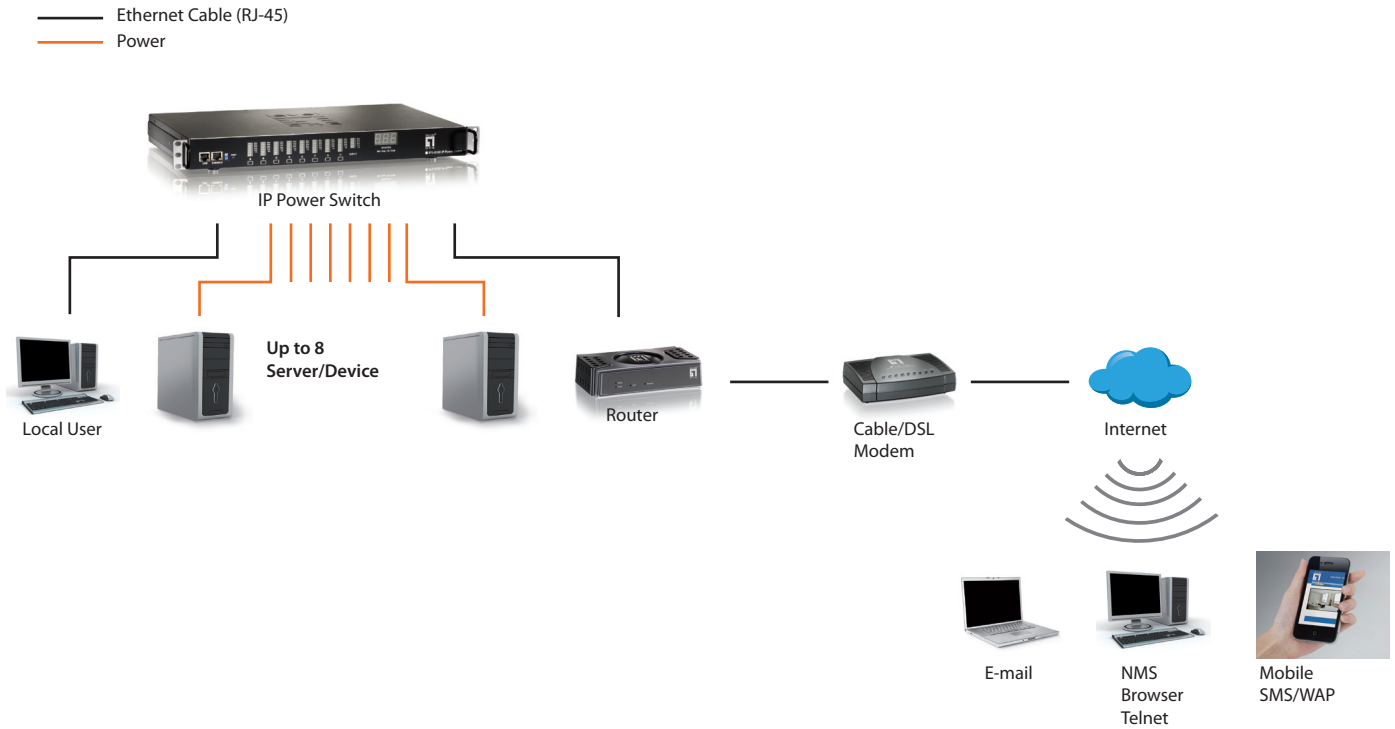


SFP-6141
10Gbps SMF SFP-Plus Transceiver

Transceiver Übersicht			
Model	SFP-6101	SFP-6121	SFP-6141
Single/Multi-Mode	MMF	SMF	SMF
Date Rate	10Gbps	10Gbps	10Gbps
Wavelength	850nm	1310nm	1310nm
Transmission Range	300m	10km	40km
Connector	Duplex LC	Duplex LC	Duplex LC

*LevelOne 10G SFP Fiber Transceiver Duplex LC Arbeit mit Schalter GTP-2880/GTL-2880/GTL-5280

Der LevelOne IP Power Switch ist ein Managementsystem für Büros und größere Firmen, um Server zu rebooten und andere Netzwerkgeräte per Fernzugriff ein- oder ausschalten zu können.



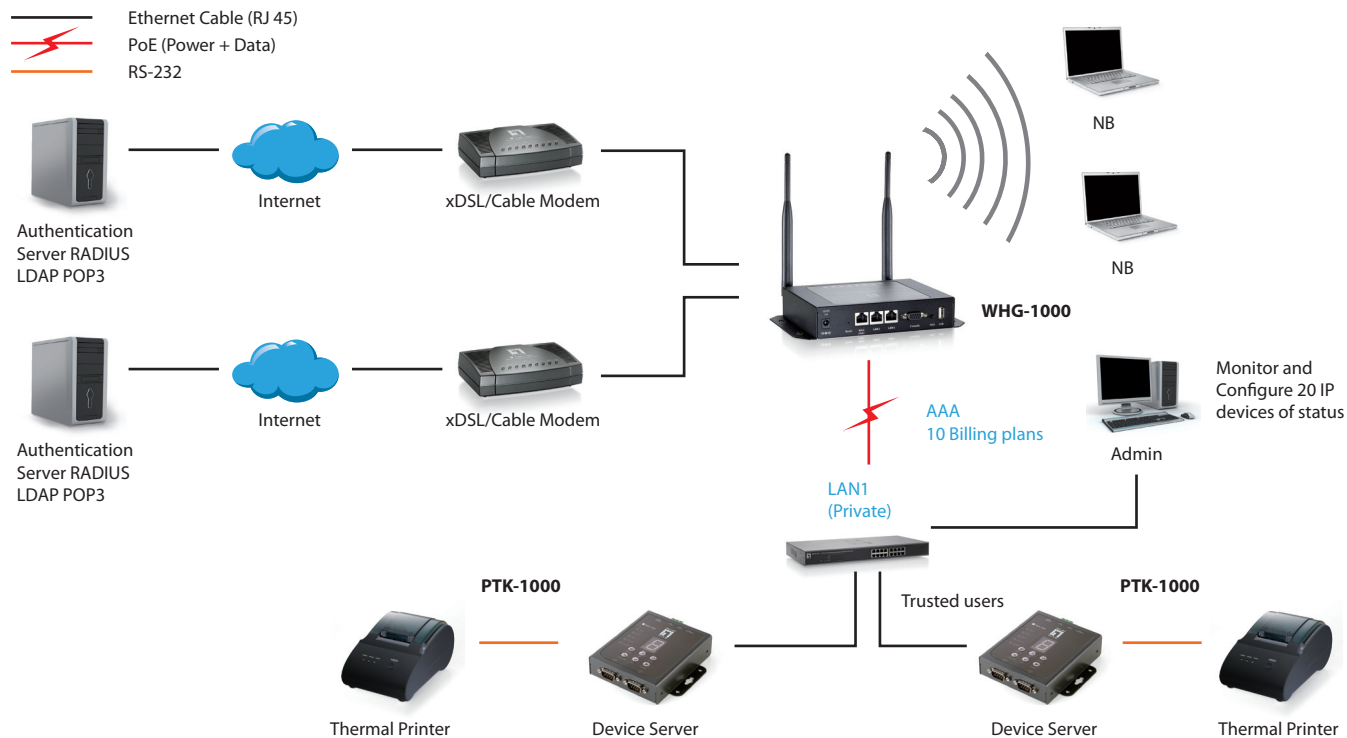
IPS-0008 8-Port IP Power Switch

- 8 Stromausgänge die per Fernsteuerung ein- und ausgeschaltet werden können
- Intelligentes Ein- oder Ausschalten von Geräten nach Ereignis oder Zeitplan
- Einfache Konfiguration und Verwaltung per Web-Browser, Telnet, SNMP oder Konsole
- Administrator und multiple User mit zweistufigen Benutzernamen- und Passwortschutz
- Unterstützt 2 digitale Ausgänge zur Steuerung der Geräte
- Unterstützt SSL v3 und SSH v1 Protokolle
- Ereignismeldung durch Trap- oder Emailversand
- Überwachung von Temperatur, Feuchtigkeit, Rauchmelder via EMD (Environmental Monitoring Device) optional



Access Management Gateway

Das LevelOne WHG-1000 ist ein Multifunktions-, All-in-one Wireless Hotspot Gateway für öffentliche Wireless Hotspot Anwendungen. Das WHG-1000 ist speziell für Hotspot-Dienstleister entwickelt worden, da es dank seiner integrierten Lösungen schnell und leicht den Hotspot-Dienst aufnehmen kann und die Serviceleistungen erhöht.



Key Features

- unterstützt programmierbare Abrechnungsprofile und ermöglicht somit eine einfache Abrechnung
- flexibles Abrechnungs- und Bezahlmanagement
- unterstützt WAP2 und IEEE-802.1x zur höchsten Sicherheit der Daten und zur Benutzerauthentifizierung



WHG-1000
300Mbps Wireless PoE Hotspot Gateway

Optional Accessories: PTK-1000 Ticket Generator Kit



Device Server

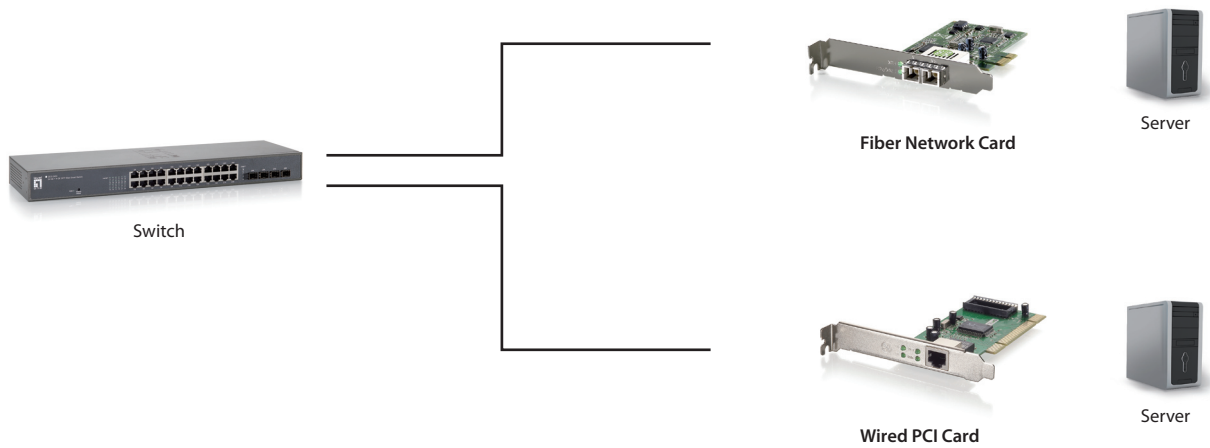
Thermal Printer

AP Management Gateway Übersicht	
Model	WHG-1000
LAN	1 x 10/100Mbps
WAN (Internet)	2 x 10/100Mbps
USB Port	1
Console Port	1
Local Account	3069
On-Demand Account	3069
PoE	IEEE 802.3af
Power Supply	External/PoE
Optional Accessories	PTK-1000: Ticket Generator Kit

LevelOne Netzwerk-Adapter sind mit verschiedenen Anschlüssen verfügbar, um Ihren Ansprüchen zu entsprechen. Mit hohen Datentransferraten und Unterstützung der aktuellsten IEEE-Standards sowie Protokollen, können Sie ein zuverlässiges Netzwerk mit hoher Performance für anspruchsvolle Anwendungen aufbauen.

Key Features

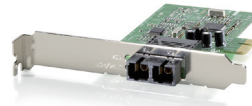
- Bitete Plug&Play Installation
- Unterstützt alle gängigen Betriebssysteme
- Erweitert die Netzwerreichweite über weitere Distanzen



FNC-0103FX
100BASE-FX Multi-Mode Glasfaser Optik PCI Karte (ST)



FNC-0104FX
100BASE-FX Multi-Mode Glasfaser Optik PCI Karte (SC)



FNC-0115
100BASE-FX Multi-Mode Glasfaser Optik PCI Express Karte (SC)



GNC-0111
1000BASE-SX Glasfaser Optik PCI Express Karte (SC)



GNC-0105T
32-bit Gigabit Ethernet PCI Card



GNC-0112
Gigabit-Ethernet-PCIe-Karte



FNC-0600TXM
5-Port L2 SNMP Switch Karte

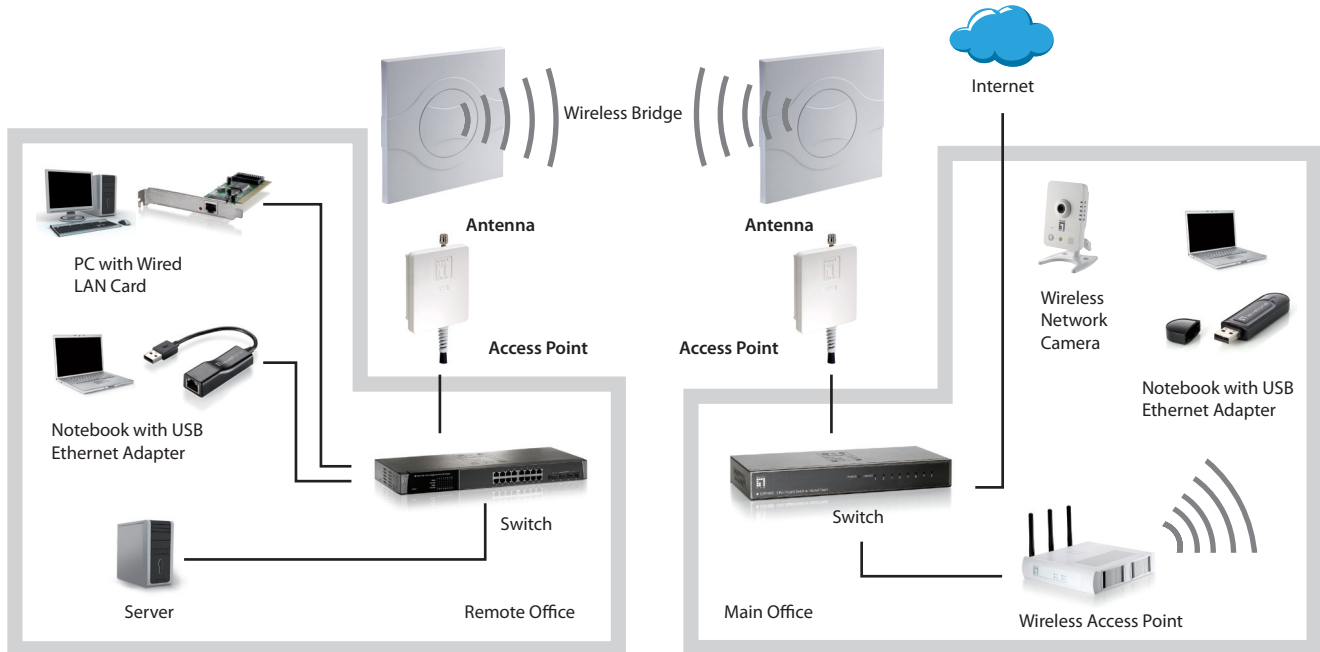


WUA-5600
150Mbps Wireless High Power Outdoor USB Adapter

Netzwerk-Adapter Übersicht								
Model	FNC-0103FX	FNC-0104FX	FNC-0115	GNC-0111	GNC-0105T	GNC-0112	FNC-0600TXM	WUA-5600
Interface	PCI	PCI	PCI-e	PCI-e	PCI	PCI-e	PCI	USB
Ethernet Port	-	-	-	-	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps	5 x 10/100Mbps	-
Fiber Port	1 x 100BASE-FX MMF	1 x 100BASE-FX MMF	1 x 100BASE-FX MMF	1 x 1000BASE-SX MMF	-	-	-	7 dBi Omni-Directional
Antenna	-	-	-	-	-	-	-	150Mbps (11b/g/n)
Wake-on-LAN	-	-	V	-	-	-	-	-
IP Rating	-	-	-	-	-	-	-	IP-67
Jumbo Frame	-	-	-	9K	8K	-	-	-

LevelOne Bridges und Access Points eröffnen einzigartige und flexible Netzwerkarchitekturen und Lösungen. Abhängig von den Anforderungen liefern die LevelOne Access Points WLAN Zugriff bis in den letzten Winkel Ihres Büros. Sei es Indoor oder Outdoor.

— Ethernet Cable (RJ-45)



Key Features

- Unterstützt diverse WLAN Betriebsmodi
- Unterstützt 64/128 WEP, WPA und WPA2 Verschlüsselung



WAB-6120
150Mbps Wireless Outdoor Passive PoE
Access Point

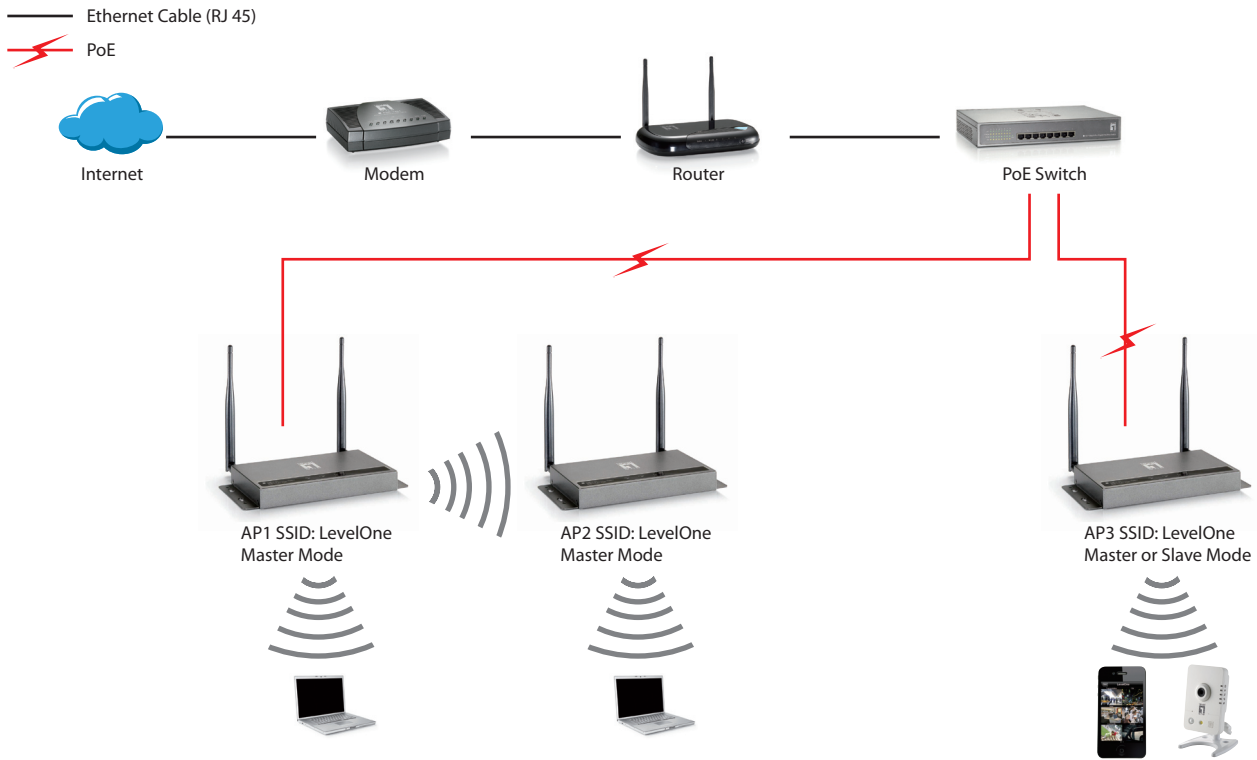


WAB-5120
300Mbps 5G Wireless Outdoor Passive PoE
Access Point / Bridge



WAP-6101
300Mbps Wireless Ceiling PoE Access Point

Wireless Access Point Übersicht			
Model	WAB-6120	WAB-5120	WAP-6101
Wireless	150Mbps (11b/g/n)	300Mbps (11a/n)	300Mbps (11b/g/n)
Antenna/Connector	1 x 8dBi (Internal) / N-type	2 x 16dBi(Internal) / RP-SMA	2 x 5dBi (Internal) / -
PoE	V	V	IEEE 802.3af
Power Supply	Passive PoE	Passive PoE	PoE
Frequency Range	2.4GHz	5GHz	2.4GHz
Multiple-SSID	16	16	4
AP/ AP Client/WDS Mode	V	V	V
IP Rating	IP55	IP55	-



WAP-6003
 150-Mb/s-WLAN-Zugangspunkt



WAP-6013
 300-Mb/s-WLAN-Zugangspunkt

NEW



WAP-6150
 300Mbps Wireless Gigabit PoE Access Point

NEW



WAP-6110
 300Mbps WLAN PoE Access Point

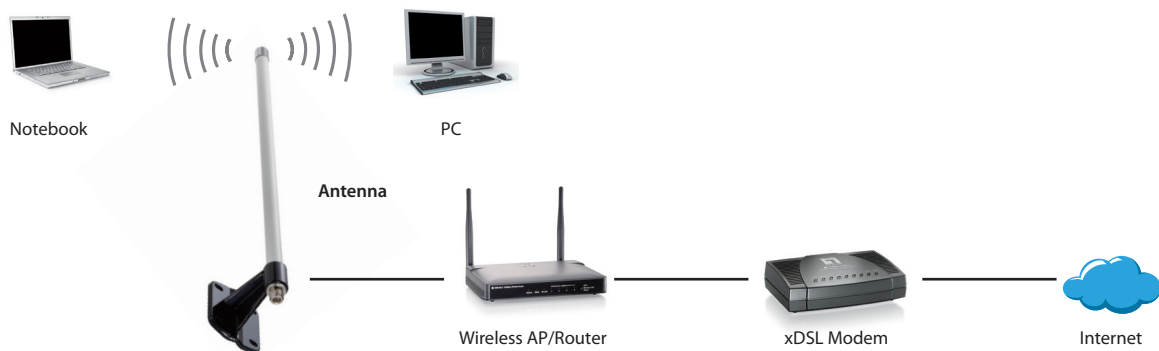
Wireless Access Point Übersicht				
Model	WAP-6003	WAP-6013	WAP-6150	WAP-6110
Wireless	150Mbps (11b/g/n)	300Mbps (11b/g/n)	300Mbps (11b/g/n)	300Mbps (11b/g/n)
Antenna/Connector	1x 2dBi (5dBi Optional) / -	2 x 2dBi (5dBi Optional) / -	2 x 5dBi (External Detachable) / -	2 x 3 dBi(5 dBi Optional) / -
PoE	-	-	IEEE 802.3af	IEEE 802.3af
Power Supply	External	External	PoE	PoE
Frequency Range	2.4GHz	2.4GHz	2.4GHz	2.4GHz
Multiple-SSID	2	2	8	4
AP/ AP Client/WDS Mode	V	V	V	V
IP Rating	-	-	-	-

LevelOne bietet eine breite Palette and unterschiedlichen direktionalen oder omnidirektionalen Antennen an, die es ermöglichen WLAN Signale über bis zu 5000m zu senden und zu empfangen.

Key Features

- Bietet stabiles Signal und erhöhte Reichweite/Abdeckung
- IEEE 802.11b/g/n konforme Anwendungen im 2.4GHz Frequenzbereich
- IEEE 802.11a/n konforme Anwendungen im 5GHz Frequenzbereich

— Ethernet Cable (RJ-45)



2.4GHz Antennen



OAN-2151
15dBi 2.4GHz Omni-direktionale Outdoor Antenne



OAN-2090
9dBi 2.4GHz Omni-direktionales Indoor/Outdoor Antennen-Kit



WAN-7100
10.5dBi 2.4GHz Direktionales Dual-Polarisation Patch Antennen-Kit



WAN-1112
12dBi 2.4GHz Direktionale Patch Antenne



WAN-2185
8.5dBi 2.4GHz Direktionale Pico Cell Antenne



WAN-2140
14dBi 2.4GHz Direktionale Panel Antenne

Antennen Übersicht						
Model	OAN-2151	OAN-2090	WAN-7100	WAN-1112	WAN-2185	WAN-2140
Description	Omni-Directional	Omni-Directional	Directional Dual-Polarization	Directional Patch	Directional Pico Cell	Directional Panel
Frequency Range	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz
Indoor/Outdoor	Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Outdoor
Gain	15dBi	9dBi	10.5dBi	12dBi	8.5dBi	14dBi
Range (Estimated)	800~3000m	400~1000m	200~800m	200~800m	350~1200m	300~3500m
Extension Cable	Optional	-	3m	-	-	-
IP Rating	IP67	IP67	-	IPX5	IPX5	-
Connector	N-Jack	N-Jack	SMA-RPSMA	SMA-Jack	N-Jack	N-Jack

2.4GHz Antennen



WAN-2181
WAN-2181 18dBi 2.4GHz Direktionale Panel Antenne



WAN-2218
18dBi 2.4GHz Direktionale Yagi Antenne

5GHz Antennen



OAN-4101
10dBi 5GHz Omni-direktionale Antenne



WAN-9150
15dBi 5GHz Direktionale Dual-Polarisation Outdoor Panel Antenne



WAN-9180
18dBi 5GHz Direktionale Dual-Polarisation Outdoor Panel Antenne

Antennen Übersicht					
Model	WAN-2181	WAN-2218	OAN-4101	WAN-9150	WAN-9180
Description	Directional Panel	Directional Yagi	Omni-Directional	Directional Dual-Polarization	Directional Dual-Polarization
Frequency Range	2.4GHz	2.4GHz	5GHz	5GHz	5GHz
Indoor/Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Gain	18dBi	18dBi	10dBi	15dBi	18dBi
Range (Estimated)	1500~5000m	1500~5000m	600~2400m	1500~5000m	1500~5000m
Extension Cable	-	-	-	-	-
IP Rating	IP67	IPX5	IPX5	IP67	IP67
Connector	N-Jack	N-Jack	N-Jack	N-Jack	N-Jack

Band (2.4/5 GHz) Antennen



WAN-1160
6/8dBi Dual-Band Direktionale Antenne

Antennen Übersicht	
Model	WAN-1160
Description	Directional
Frequency Range	2.4GHz/5GHz
Indoor/Outdoor	Indoor
Gain	6dBi/8dBi
Range (Estimated)	25~180m
Extension Cable	1m
IP Rating	-
Connector	RP-SMA Plug

Key Features

- Arbeitet mit LevelOne Access Points
- Plug&Play Installation
- Einfach zu installieren und stabile Signalverstärkung



ANC-1430 / ANC-1440 / ANC-1470
RPSMA Plug auf RPSMA Jack Antennenkabel



ANC-2210
1m N Plug auf N Plug Antennenkabel
(200-Serie)



ANC-2310
1m RPSMA Plug auf N Plug Antennenkabel
(200-Serie)



ANC-2350
1.5m RPSMA Plug auf N Plug Antennenkabel
(200-Serie)



ANC-2330
3m RPSMA Plug auf N Plug Antennenkabel
(200-Serie)



ANC-4230
3m N Plug auf N Plug Antennenkabel
(400-Serie)



ANC-4130
3m N Plug auf N Jack Antennenkabel
(400-Serie)



ANC-4160
6m N Plug auf N Jack Antennenkabel
(400-Serie)

Antennenkabel Übersicht					
Model	ANC-1430	ANC-1440	ANC-1470	ANC-2210	ANC-2310
Outer Diameter	200 series	200 series	200 Series	200 series	200 series
Cable	Low loss 200 coaxial cable	Low loss 200 coaxial cable	Low loss 200 coaxial cable	CFD-200 coaxial cable	CFD-200 coaxial cable
Connector	RP-SMA Plug/ RP-SMA Jack	RP-SMA Plug/ RP-SMA Jack	RP-SMA Plug/ RP-SMA Jack	N-Plug/N-Plug	N-Plug/RP-SMA
Length	3m	5m	10m	1m	1m
Frequency range	DC~6GHz	DC~6GHz	DC~6GHz	DC~6GHz	DC~3GHz

Antennenkabel Übersicht					
Model	ANC-2350	ANC-2330	ANC-4230	ANC-4130	ANC-4160
Outer Diameter	200 series	200 series	400 series	400 series	400 Series
Cable	CFD-200 cable	CFD-200 cable	CFD-400 coaxial cable	DDC-400 cable	DDC-400 Cable
Connector	N-Plug/RP-SMA	N-Plug/RP-SMA	N-Plug/N-Plug	N-Plug/N-Jack	N-Plug/N-Jack
Length	1.5m	3m	3m	3m	6m
Frequency range	DC~3GHz	DC~6GHz	DC~6GHz	DC~3GHz	DC~6GHz

Die LevelOne Blitzschutz Lösungen bieten optimalen Schutz Ihrer WLAN Outdoor Installation vorden Folgen eines Blitzschlags. Um Switches, Access Points und weitere Netzwerkgeräte vor Überspannung zu schützen, installieren Sie das System einfach zwischen Antennekabel und Antenne.



Key Features

- Einfache Wandinstallation
- Plug&Play Installation
- Kompatibel mit LevelOne Outdoor Antennen



ANA-3100
3GHz Outdoor Blitzschutz

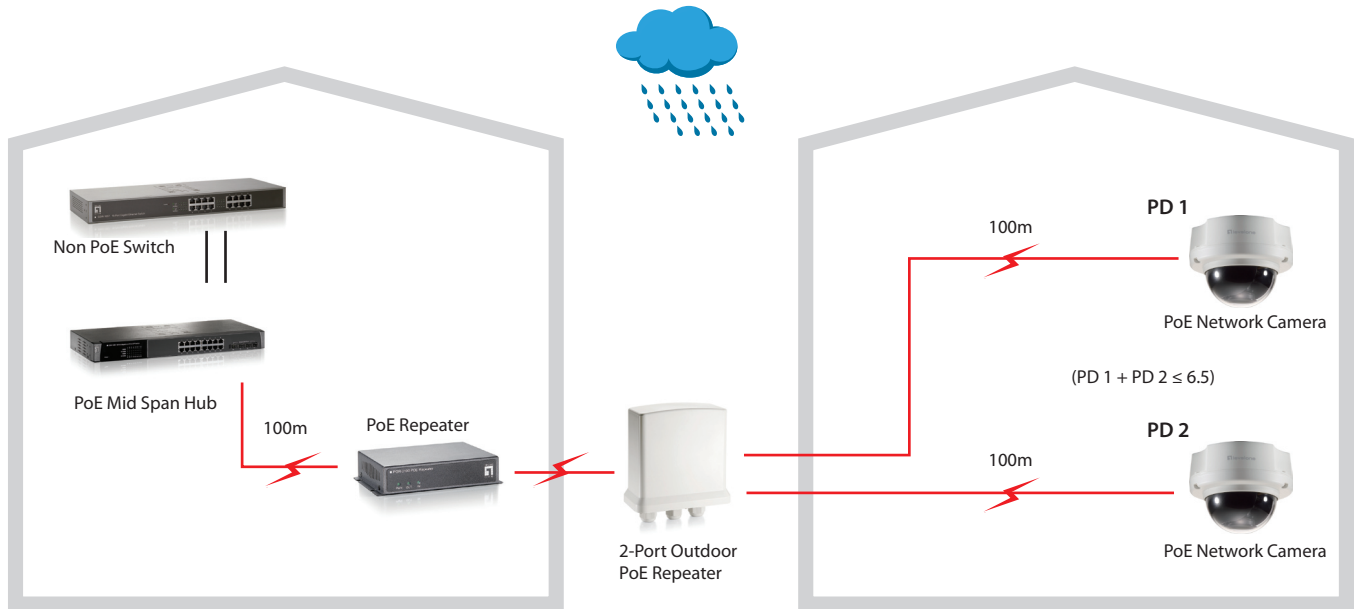


ANA-6101
6GHz Outdoor Überspannungsschutz

Überspannungsschutz Übersicht		
Model	ANA-3100	ANA-6101
Connector	N-Plug/N-Jack	N-Plug/N-Jack
Frequency Range	DC~3GHz	DC~6GHz
Voltage Standing Wave Ratio	1.5	1.5
Wi-Fi Compliant	2.4GHz	2.4GHz/ 5GHz

LevelOne PoE-Lösungen (PSE) liefern Strom und Daten zu Endgeräten wie z.B. IP Kameras, Access Points oder VoIPTelefone über ein Datenkabel (Cat.5 oder höher).Hierbei wird zwischen Midspan-Hub und Endspan-Switches unterschieden. Midspan- Hubs werden zur nachträglichen Integration von PoE in bereits vorhandene Netzwerke verwendet und sitzen zwischen Daten-Switch und Endgerät. Der Endspan-Switch ist PSE und Datenswitch in einem Gerät und liefert Daten&Strom direkt zum Endgerät. LevelOne PoE-Outdoor Repeater ermöglichen es größere Distanzen zu überbrücken (bis zu 800m).

PoE (Power + Data)
 Data



PoE Hubs

- 19" 12 Port Power over Ethernet MidSpan Hub
- Kompatibel mit IEEE-802.3af
- Überspannungs- und Kurzschlusschutz
- Überspannungs-/Überstrom- und Temperaturschutz



POH-1250
 12 FE PoE Injektor Hub



POH-1260
 12 FE High-Power PoE Injektor Hub

PoE Hubs Übersicht		
Model	POH-1250	POH-1260
PoE Power Budget	200W	375W
Data In Port	12	12
Data + Power Port Out	12	12

PoE Splitter

- Eingebauter Kurzschluss-/Überladungsschutz und Stromlimitierung
- Bieten Plug&Play Funktion für einfachste Installation
- Eliminieren platzraubende Netzteile und erhöhen die Energieeffizienz des Netzwerkes
- Automatische PoE-PD Einteilung in die entsprechende Leistungsklasse



POS-4000
12V DC High Power PoE Splitter



POS-4002
24V AC High Power PoE Splitter



POS-1002
5-12V DC PoE Splitter



POS-1001
5-12V DC Gigabit PoE Splitter



POS-3000
5~12V DC Gigabit PoE-Plus Splitter



POS-4001
3-12V DC High Power Outdoor PoE Splitter

PoE Splitter Übersicht						
Model	POS-4000	POS-4002	POS-1002	POS-1001	POS-3000	POS-4001
PoE	V	V	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af/at	V
Power Output	12VDC	24AC	5-12V DC	5-12V DC	5-12V DC	3-12V DC
Power Supply	PoE	PoE	PoE	PoE	PoE	PoE
IP-Rating	-	-	-	-	-	IP65

PoE Injektor

- Eingebauter Überspannungsschutz
- Bieten Plug&Play Funktion für einfachste Installation



POI-4000
High-Power PoE Injektor



POI-2002
PoE Injektor



POI-3000
Gigabit PoE-Plus Injektor



POI-3002
PoE Plus-Injektor



POI-2001
Gigabit PoE Injektor

PoE Injector Übersicht					
Model	POI-4000	POI-2002	POI-3002	POI-2001	POI-3000
PoE	V	IEEE 802.3af	IEEE 802.3af/at	IEEE 802.3af	IEEE 802.3af/at
RJ-45 Input	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps
RJ-45 Output	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps
PoE Power Budget	56W	15.4W	30W	15.4W	30W
Optional Accessories	POC-4000: 8-Bay High Power PoE Chassis	-	-	-	-

PoE Repeater

- Unterstützt Power over Ethernet
- Unterstützt alle Netzwerkgeräte



POR-0100
PoE Repeater



POR-0102
PoE Repeater



POR-1100
Outdoor PoE Repeater



POR-1102
2-Port Outdoor PoE Repeater



POR-0120
Gigabit PoE Repeater



POR-0122
2-Port Gigabit PoE Repeater

PoE Repeater Übersicht						
Model	POR-0100	POR-0102	POR-1100	POR-1102	POR-0120	POR-0122
RJ-45 Input Port	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps
RJ-45 Output Port	1 x 10/100Mbps	2 x 10/100Mbps	1 x 10/100Mbps	2 x 10/100Mbps	1 x 10/100/1000Mbps	2 x 10/100/1000Mbps
RJ-11 Input Port	-	-	-	-	-	-
RJ-11 Output Port	-	-	-	-	-	-
PoE	V	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	V	V
Power Supply	PoE	PoE	PoE	PoE	PoE	PoE
IP-Rating	-	-	IP65	IP65	-	-



POR-0200
PoE-Plus-Repeater



POR-0202
2-Port PoE-Plus-Repeater



POR-1200
Outdoor-PoE+-Verstärker



POR-1202
2-Port-Outdoor-PoE+-Verstärker



POR-0220
Gigabit PoE-Plus-Repeater



POR-0222
2-Port Gigabit PoE-Plus-Repeater

PoE Repeater Comparison						
Model	POR-0200	POR-0202	POR-1200	POR-1202	POR-0220	POR-0222
RJ-45 Input Port	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps
RJ-45 Output Port	1 x 10/100Mbps 1 x 10/100Mbps (LAN)	2 x 10/100Mbps	1 x 10/100Mbps 1 x 10/100Mbps (LAN)	2 x 10/100Mbps	1 x 10/100/1000Mbps 1 x 10/100/1000Mbps (LAN)	2 x 10/100/1000Mbps
RJ-11 Input Port	-	-	-	-	-	-
RJ-11 Output Port	-	-	-	-	-	-
PoE	IEEE 802.3af/at	IEEE 802.3af/at	IEEE 802.3af/at	IEEE 802.3af/at	IEEE 802.3af/at	IEEE 802.3af/at
Power Supply	PoE	PoE	PoE	PoE	PoE	PoE
IP-Rating	-	-	IP65	IP65	-	-



PDR-1220
Outdoor-Gigabit-PoE+-Verstärker



PDR-1222
2-Port-Outdoor-Gigabit-PoE+-Verstärker



POT-0100
PoE Repeater over 2-wire (Master)



POT-0110
PoE Repeater over 2-wire (Slave)

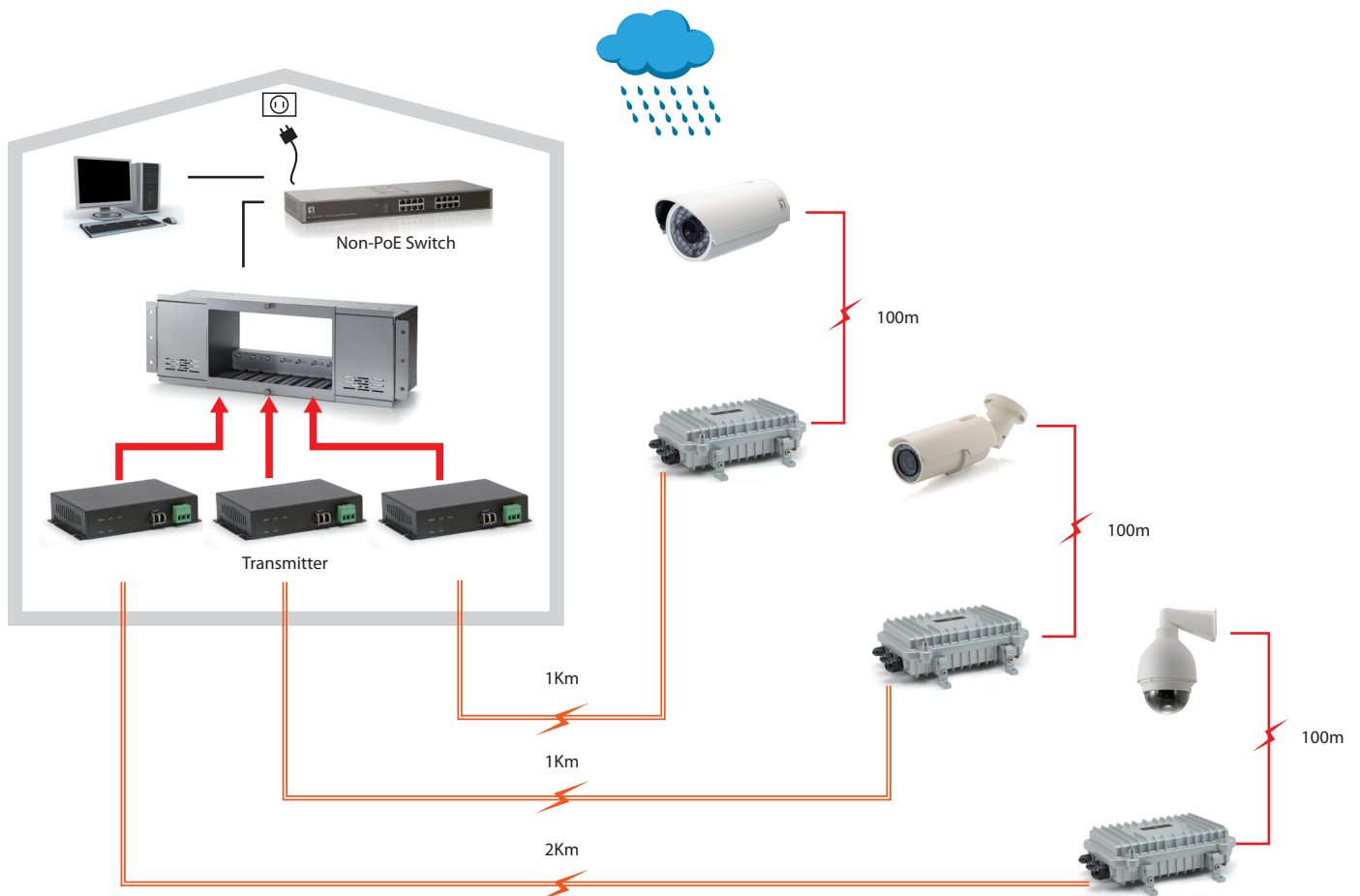
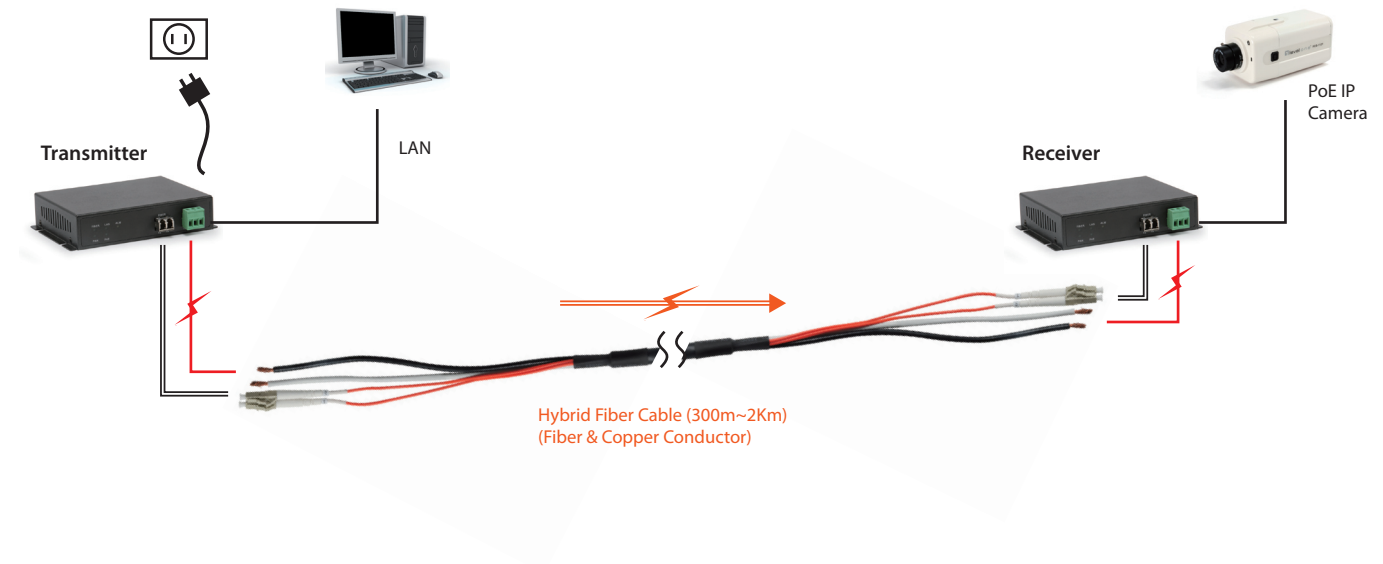


POT-1110
Outdoor PoE Repeater over 2-wire (Slave)

PoE Repeater Übersicht					
Model	PDR-1220	PDR-1222	POT-0100	POT-0110	POT-1110
RJ-45 Input Port	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps	1 x 10/100Mbps	-	1 (Using RJ-11 Cable with RJ-45 Connector)
RJ-45 Output Port	1 x 10/100/1000Mbps 1 x 10/100/1000Mbps (LAN)	2 x 10/100/1000Mbps	-	1 x 10/100Mbps	1 x 10/100Mbps
RJ-11 Input Port	-	-	-	1 x 10/100Mbps	-
RJ-11 Output Port	-	-	1 x 10/100Mbps	-	-
PoE	IEEE 802.3af/at	IEEE 802.3af/at	V	V	V
Power Supply	PoE	PoE	PoE	PoE	PoE
IP-Rating	IP65	IP65	-	-	IP65

Errichten Sie ein PoE-Netzwerk mit einer Maximallänge von zwei Kilometern bei der Nutzung von nur einem Hybrid-Kabel

- Ethernet Cable (RJ 45)
- PoE
- Fiber
- Hybrid Fiber Cable (Data + Power)



NEW


PFE-1001T
PoE Extender over Hybrid Fiber, Transmitter, 65W

NEW

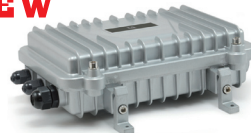

PFE-1101T
PoE Extender over Hybrid Fiber, Transmitter, 120W

NEW

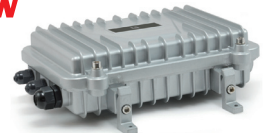

PFE-1001R
PoE Extender over Hybrid Fiber, Receiver mit 1 PoE Ausgang

NEW


PFE-1004R
PoE Extender over Hybrid Fiber, Receiver mit 4 PoE Ausgängen

NEW


PFE-1011R
PoE Extender over Hybrid Fiber, Outdoor Receiver mit 1 PoE Ausgang

NEW


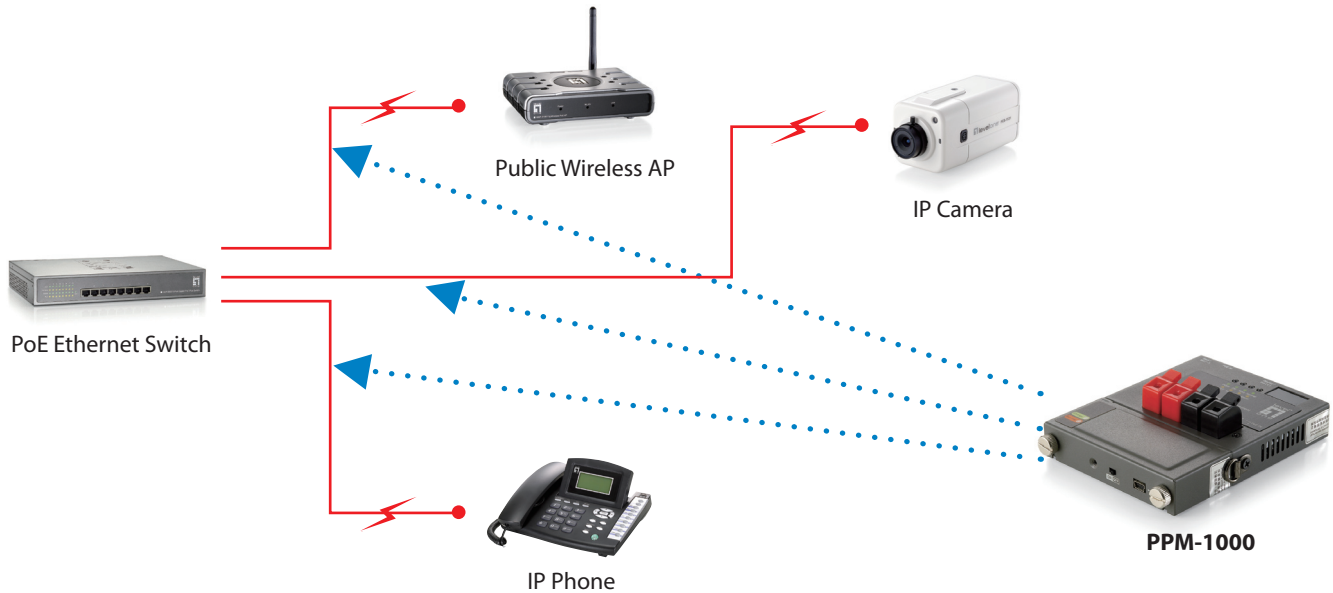
PFE-1014R
PoE Extender over Hybrid Fiber, Outdoor Receiver mit 4 PoE Ausgängen

Model No	PFE-1001T	PFE-1101T	PFE-1001R	PFE-1004R	PFE-1011R	PFE-1014R
Standards & Protocols	IEEE 802.3 10-BASE-T, Ethernet, IEEE 802.3u 100-BASE-TX, Fast Ethernet					
Buffer Memory	128KB					
Connectors and Cabling	1 x 10/100Base-TX RJ-45 Port 2km Multi Fiber Optic LC Port DC Jack Input Port Terminal Block Output Port		1 x 10/100Base-TX RJ-45 PoE Port 2km Multi Fiber Optic LC Port Terminal Block Input Port	4 x 10/100Base-TX RJ-45 PoE Ports 2km Multi Fiber Optic LC Port Terminal Block Input Port	1 x 10/100Base-TX RJ-45 PoE Port 2km Multi Fiber Optic LC Port Terminal Block Input Port	4 x 10/100Base-TX RJ-45 PoE Ports 2km Multi Fiber Optic LC Port Terminal Block Input Port
Button	-		-	1~4 PoE Dip Switch	-	
Indicator	Power, LAN, Fiber, PoE, ALM			Power, LAN, Fiber, PoE		
Transmission Method	Store-and-Forward					
Power	Power Consumption: 56V/ 65W Power Input: 100-240V AC, 50-60 Hz, External Power Supply	Power Consumption: 56V/ 120W Power Input: 100-240V AC, 50-60 Hz, External Power Supply	-			
Dimensions (W x D x H mm)	133 x 90 x 28mm				240 x 200 x 72mm	
Weight (g)	250 g				1Kg	
MAC Address Table	1K					
Data Transfer Rate	10/100Mbps					
Packet Forwarding Rate	100Mbps port - 148,000pps, 10Mbps port - 14,880pps					
General	Flow Control: Half Duplex - Backpressure; Full Duplex - Pause frame					
PoE	-		PoE Compatible: IEEE 802.3at/af Power over Ethernet / PSE PoE over current protection PoE circuit sorting protection PoE Power Output: Per Port 56V DC, Max. 40W (High Power) Power Pin Assignment: 4/5(+), 7/8(-)			
Temperature (°C)	Operating: 0°C ~ 50°C Storage: 0°C ~ 60°C				Operating: -40°C ~ 60°C Storage: 0°C ~ 60°C	
Humidity (Non-condensing)	Storage: 5% ~ 90% Operating: 10% ~ 90%					
Approval and Compliance	CE/FCC					
Deployment	Desktop and wall-mountable				wall-mountable	

Fiber/ Power Distance / PoE Output Table

Mdoel No	Hybrid Cable	Conductor Gauge	450M	700M	1KM	2KM
PFE-1001T	PFC-0112	12 AWG	50W	45W	40W	20W
PFE-1001T	PFC-0118	18 AWG	40W	20W	10W	-
PFE-1101T	PFC-0112	12 AWG	60W	55W	50W	28W
PFE-1101T	PFC-0118	18 AWG	50W	28W	18W	-

PPM-1000 is a convenient and compact sized test and measurement device for PoE network installations. It verifies whether there is sufficient power to ensure your PoE device can function correctly, and helps avoid costly downtime or damage to equipment. This is particularly important when using non-PoE standard Power Sourcing Equipments (PSE) such as some High Power injectors.



PPM-1000

PoE Power-Messgerät

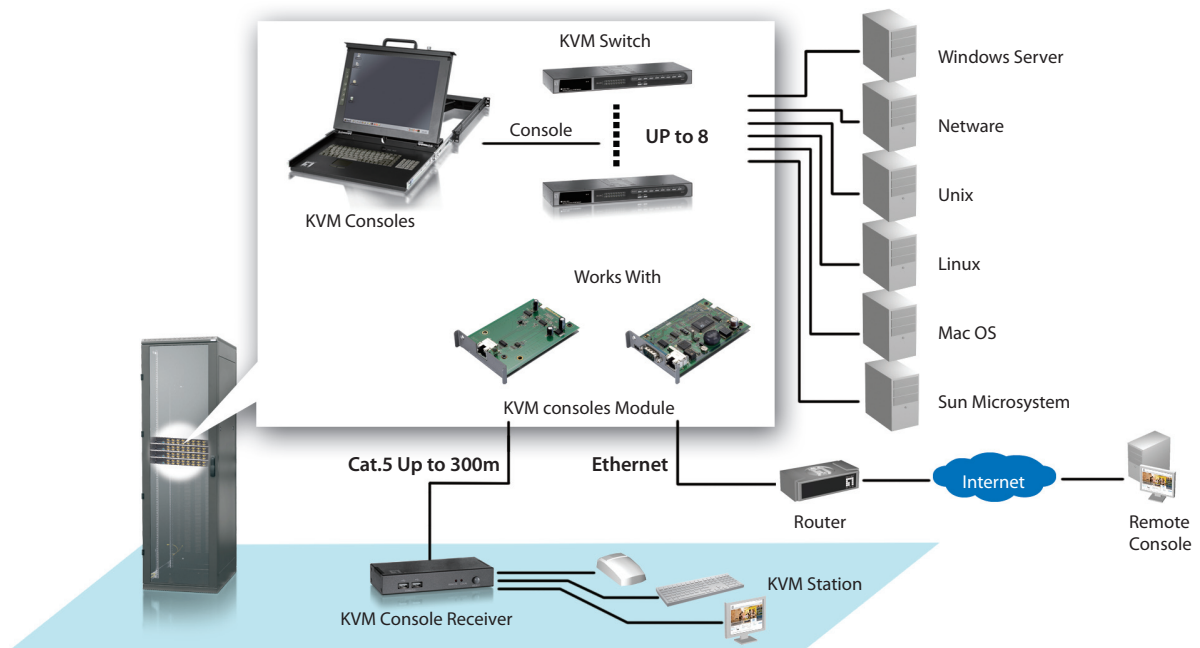
- Stellen Sie sicher, dass PoE-Geräte einwandfrei funktionieren
- Messung der zur Verfügung stehenden Leistung (Watt) und Spannung in einer PoE-Verbindung
- Tragbares und kompaktes Gerät
- LED-Anzeige und Indikatoren zeigen den Betriebsstatus an
- Eingebauter Temperatursensor
- Austauschbare externe Batterie für echte Portabilität
- Abnehmbares Umhängeband
- Eingebauter Temperatursensor und LED-Anzeige informieren den Anwender bei - überhitzten Zustand, wenn ein High-Power-Test durchgeführt wird



Die LevelOne KVM-Switches im SoHo-Einsatz bieten ein prämiertes Design für den Einsatz auf dem Schreibtisch. Sie sind platzsparend und unterstützen eine Plug&Play Installation. Einfach zu bedienen und mit PS/2 sowie USB Anschlüssen werden Sie fast jeder Herausforderung gerecht. Die professionellen KVM-Lösungen lassen den Einsatz in 19"-Schränken zu und können bis zu 128 Server gleichzeitig verwalten.

Key Features

- Bietet automatischen Scan und programmierbares, automatisches Umschalten
- Unterstützt sämtliche gängigen Betriebssysteme
- Flexibles Umschalten ohne Zeitverzögerung
- Unterstützt DOS, Netware, Unix, Linux, Win3.x, Win95/98/ 98SE/ 2000/ ME/ XP/ NT



KVM Switches

Desktop KVM Switches

Rackmount KVM Switches



KVM-0411



KVM-0412



KVM-0421



KVM-0422



KVM-0411 / KVM-0412
4-Port PS/2 KVM Switch

KVM-0421 / KVM-0422
4-Port USB KVM Switch

KVM-0410
4-Port KVM Switch mit OSD für PS/2



KVM-0420
4-Port KVM Switch für USB & PS/2



KVM-0811
8-Port PS/2 KVM Switch

Desktop KVM switches Übersicht					
	Model	KVM-0411	KVM-0412	KVM-0421	KVM-0422
PC Port	Port for Keyboard/Mouse	PS/2	PS/2	USB	USB
	Video port	VGA	VGA	VGA	VGA
	Audio / Microphone	V	-	V	-
Console Port	Port for Keyboard/Mouse	PS/2	PS/2	USB	USB
	Video port	VGA	VGA	VGA	VGA
	Audio / Microphone	V	-	V	-
Feature	Control and Manage computers	4	4	4	4
	Max. Local Resolution	2048 x 1536	2048 x 1536	2048 x 1536	2048 x 1536
	Cascade Control PC No.	-	-	-	-
	Optional Accessories	-	-	-	-

Desktop KVM switches Übersicht				
	Model	KVM-0410	KVM-0420	KVM-0811
PC Port	Port for Keyboard/Mouse	PS/2	PS/2,USB	PS/2
	Video port	VGA	VGA	VGA
	Audio / Microphone	-	-	-
Console Port	Port for Keyboard/Mouse	PS/2	PS/2	PS/2
	Video port	VGA	VGA	VGA
	Audio / Microphone	-	-	-
Feature	Control and Manage computers	4	4	8
	Max. Local Resolution	1920 x 1440	1920 x 1440	1920 x 1440
	Cascade Control PC No.	4	4	120
	Optional Accessories	ACC-2001 / ACC-2002: 1.8m / 3.0m PS/2 KVM Cable ACC-2006 / ACC-2010: 6.0m / 10.0m PS/2 KVM Cable PS/2 KVM Cable	ACC-2001 / ACC-2002: 1.8m / 3.0m PS/2 KVM Cable ACC-2006 / ACC-2010: 6.0m / 10.0m PS/2 KVM Cable PS/2 KVM Cable ACC-2003 / ACC-2004 / ACC-2005: 1.8m / 3.0m / 5.0m USB KVM Cable	ACC-2009: 90cm Daisy Chain Cable

Rackmount KVM Switches



KVM-0831
8-Port Combo KVM Switch mit Erweiterungs-Slot



KVM-1631
16-Port Combo KVM Switch mit Erweiterungs-Slot



KVM-0115US / KVM-0115DE
15" Rackmount KVM Konsole



KVM-0117US / KVM-0117DE
17" Rackmount KVM Konsole



KVM-0217US / KVM-0217DE
17" Modularized KVM Konsole

NEW

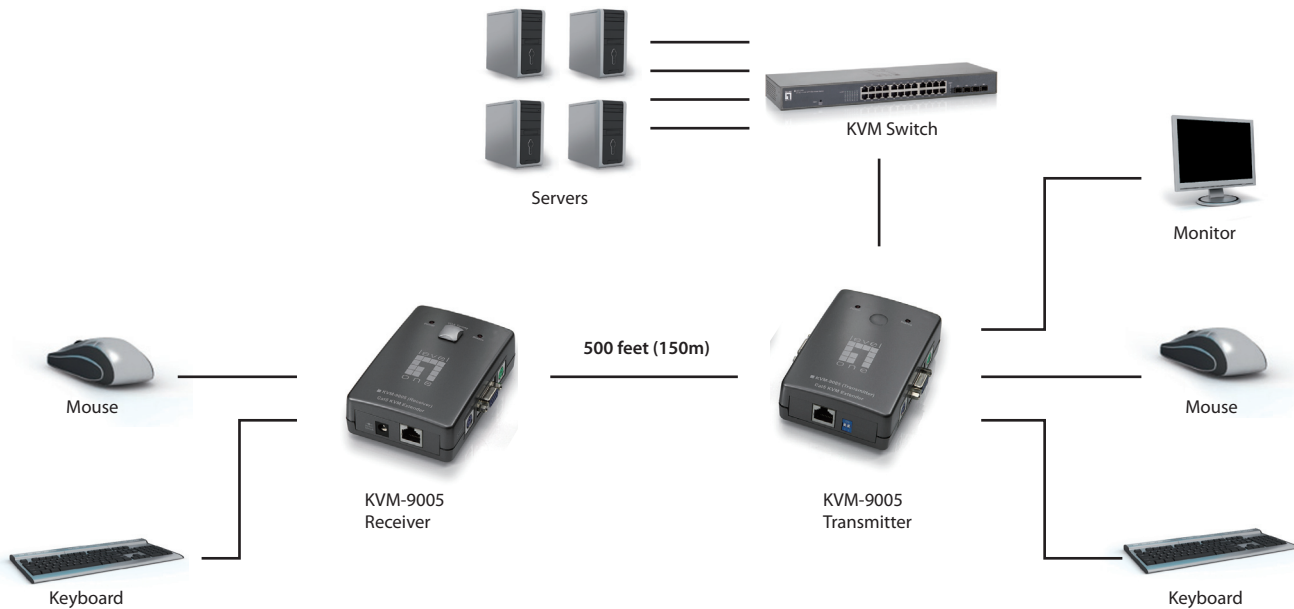


KVM-8901
19" Widescreen LCD KVM Rack Console

Rackmount KVM Switches Übersicht			
	Model	KVM-0831	KVM-1631
PC Port	Port for Keyboard/Mouse	PS/2, USB	PS/2, USB
	Video port	VGA	VGA
	Audio / Microphone	-	-
Console Port	Port for Keyboard/Mouse	USB	USB
	Video port	VGA	VGA
	Audio / Microphone	-	-
Feature	Control and Manage computers	8	16
	Max. Local Resolution	1920 x 1440	1920 x 1440
	Cascade Control PC No.	120	128
	Optional Accessories	KVM-9009: KVM Remote Console Kit; ACC-2101 / ACC-2102 / ACC-2103: 1.8m / 3.0m / 5.0m PS/2 and USB KVM Cable;	

Rackmount KVM Switches Übersicht					
	Model	KVM-0115	KVM-0117	KVM-0217	KVM-8901
PC port	Port for Keyboard/Mouse	PS/2, USB	PS/2, USB	8/ 16 (Depends on KVM Module)	8/ 16 (Depends on KVM Module)
	Video port	VGA, DVI	VGA, DVI	8/ 16 (Depends on KVM Module)	8/ 16 (Depends on KVM Module)
	Audio / Microphone	-	-	-	-
Console Port	Port for Keyboard/Mouse	PS/2, USB	PS/2, USB	(Depends on KVM Module)	(Depends on KVM Module)
	Video port	VGA, DVI	VGA, DVI	(Depends on KVM Module)	(Depends on KVM Module)
	Audio / Microphone	-	-	-	-
Feature	Control and Manage computers	8,16	8,16	8,16	8,16
	Max. Local Resolution	1024 x 1786	1280x1024	1280x1024	1440x900
	Cascade Control PC No.	-	-	120/128	128
	Optional Accessories	-	-	KCM-0831: 8-Port D-Sub Combo KVM Module KCM-1631: 16-Port D-Sub Combo KVM Module	KCM-0832: 8-Port KVM Switch Module KCM-1632: 16-Port KVM Switch Module

Die LevelOne IP KVM-Extender ermöglichen die Steuerung eines PCs, Servers oder KVM-Switches in bis zu 150m Entfernung zum Gerät. Durch das kompakte Design passen unsere Cat.5 KVM-Extender problemlos auf den Schreibtisch des Administrators.



Extending console port or PC port of KVM Switch up to 150m away

Key Features

- Bieten Plug&Play Funktion für einfachste Installation
- Unterstützt Cat.5/5e/6 Ethernet Verkabelung
- Arbeitet mit KVM-Switches und Stand-Alone-PCs



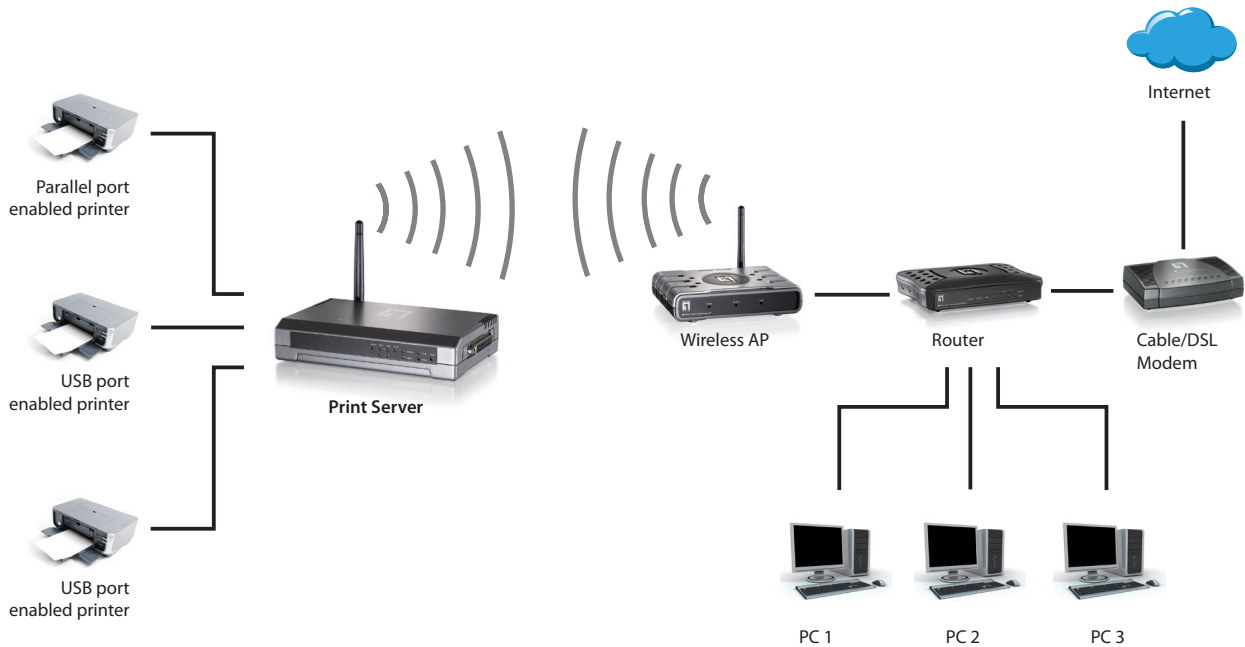
KVM-9005
PS/2 KVM Extender



KVM-9006
USB KVM Extender

KVM Extenders Übersicht		
Model	KVM-9005	KVM-9006
Extension distance	150m	150m@1280x1024
Console Port	PS/2, VGA	USB , VGA
PC Port	PS/2, VGA	USB , VGA
Resolution	1280x1024	1280x1024 1920x1440 (local console)

LevelOne bietet drahtgebundene und drahtlose Print Server. Print Server ermöglichen die gemeinsame Nutzung eines Druckers im Netzwerk.



Key Features

- Unterstützt alle gängigen Druckprotokolle
- Unterstützt alle gängigen Betriebssysteme
- Einfaches webbasiertes GUI zur Administration
- Unterstützt IPP



FPS-1031
Parallel Print Server



FPS-1032
USB Print Server



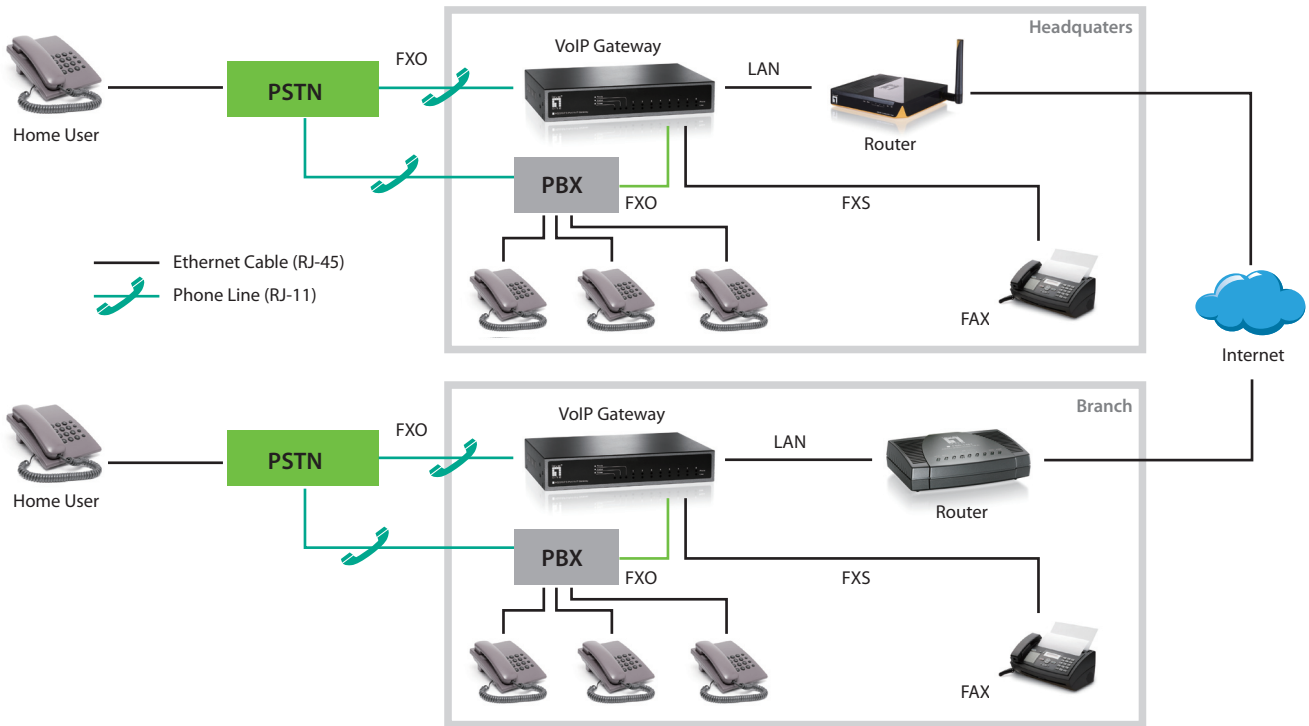
FPS-1033
3-Port USB/Parallel Print Server



WPS-1133
3-Port USB/Parallel Wireless Printer Server

Print Servers Übersicht				
Model	FPS-1031	FPS-1032	FPS-1033	WPS-1133
Multifunction Printer Server Support	-	-	-	-
Parallel/USB Port	1 x Parallel	1x USB	1x Parallel/ 2x USB	1x Parallel/ 2x USB
USB Server	-	-	V	-
Wireless	-	-	-	54Mbps

VoIP-Gateways machen Telefonanrufe übers das Internet möglich, zudem komfortabel und kostengünstig in der Nutzung. LevelOne VoIP Lösungen sind ideal für den Einsatz daheim, in kleinen Büros ode in Unternehmen.




VOI-8001

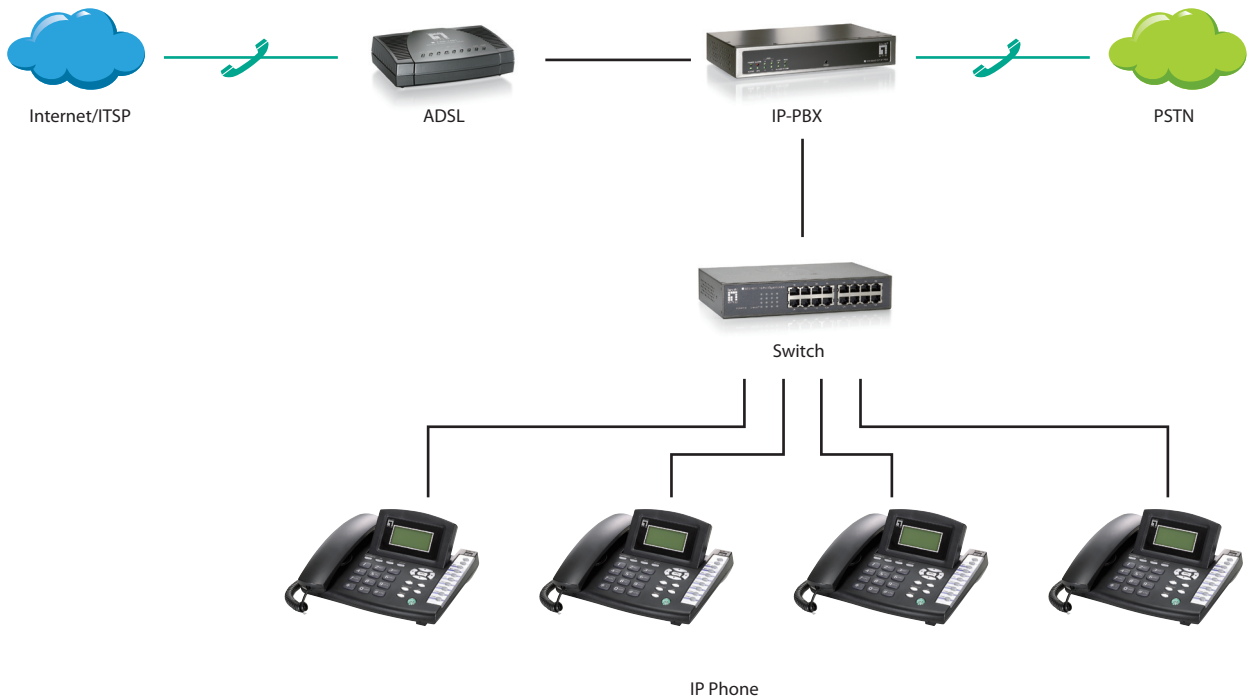
8-Port FXS H.323/SIP Gateway

- 8 x FXS-Ports
- Verbinden Sie bis zu 8 Telefone, Fax-Geräte oder eine PBX für ein VoIP-Telefon-Netzwerk
- All-In-One Lösung mit VoIP Gateway und Breitband Router
- Webmanagement für einfache Konfiguration
- Kompatibel mit den Standards ITU H.323 und IETF SIPv2
- Unterstützt gleichzeitig H.323 und SIP
- Unterstützt G723.1, G726, G729a/G729b, G711 A/ u-law Codecs
- Registriert gleichzeitig bis zu 4 SIP-Proxy oder Gatekeeper
- Quality of Service priorisiert den VoIP-Datenverkehr
- Verfügt über Outbound Proxy- und STUN-Server für Pass-Through NAT Geräte
- Bietet NAT, DHCP Server und Firewall mit eingebauter Router Funktion



VOI-8001

— Ethernet Cable (RJ-45)
 Phone Line (RJ-11)



IP Phone

- Analog zu digital Wandler
- Benutzerfreundliches Display
- Kosteneffizientes Telefonieren daheim, im Büro und Unternehmen



VOI-7000
SIP VoIP Telefon



VOI-7100
SIP VoIP Telefon mit PoE-Funktion



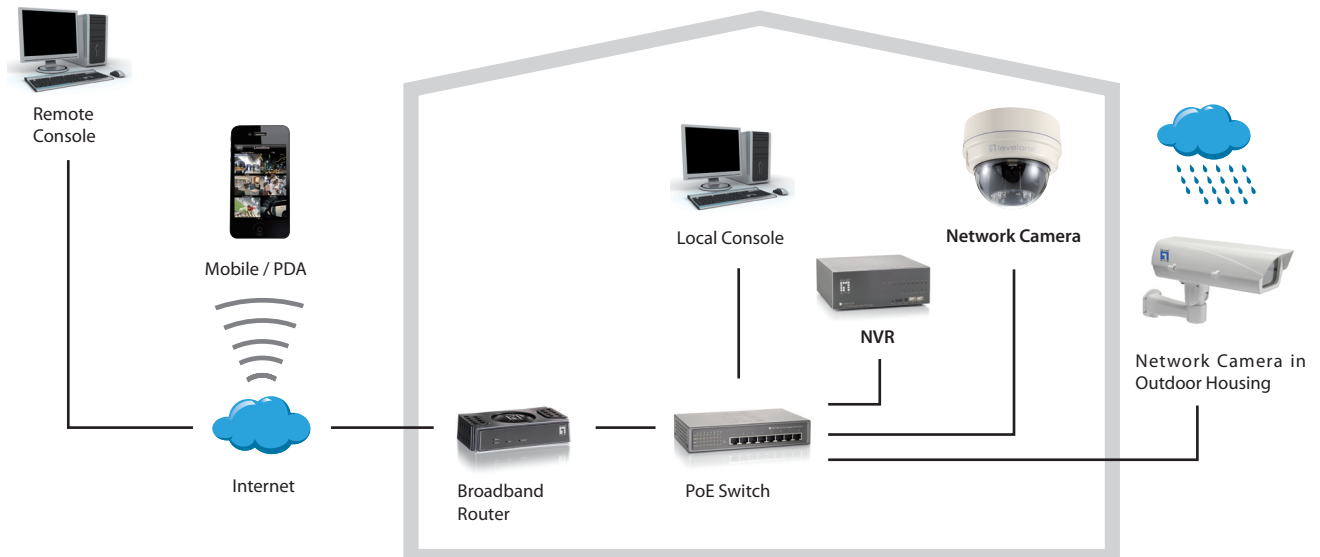
VOI-7010
SIP VoIP Office Telefon



VOI-7011
SIP VoIP Office Telefon mit FXO-Port

Voice over IP Übersicht				
Model	VOI-7000	VOI-7100	VOI-7010	VOI-7011
Ethernet Port	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100Mbps
FXO Port	-	-	-	1
VoIP Protocol	SIP v1/v2	SIP v1/v2	SIP v1/v2	SIP v1/v2
PoE	-	IEEE 802.3af	-	-
Power Supply	External	External/PoE	External	External
Optional Accessories	-	-	DHM-1000: Light-weight Single Headset with Microphone	

LevelOne bietet eine große Auswahl an IP Netzwerk Kameras. Drahtgebundene, drahtlos, PoE, Tag/Nacht/ Speed Dome, PTZ, Indoor und Outdoor Kameras sind erhältlich. Sämtliche Kameramodelle werden mit der kostenfreien 64-Kanal Software IP CamSecure ausgeliefert. Die ebenfalls kostenfreie iCamSecure Apple App ermöglicht den remote Zugriff via UMTS/WLAN auf das Überwachungssystem.



Fixed Kamera

- Unterstützt Dual-Streaming
- Zwei-Wege Audio
- Bundle mit der 64-Kanal LevelOne Software IP CamSecure



FCS-1091
PoE-Netzwerkamera



FCS-1101
PoE-Netzwerkamera



FCS-1121
Megapixel PoE-Netzwerkamera



FCS-1122
Megapixel PoE-Netzwerkamera

Fixed Kameras Übersicht				
Model	FCS-1091	FCS-1101	FCS-1121	FCS-1122
Sensor	Sony CCD	Color CCD	CMOS Megapixel	CMOS Megapixel
Max. Resolution	640 x 480	704x480 (NTSC); 704x576 (PAL)	1280 x 800	1280 x 800
AGC/AWB/AES/WDR	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES
PIR Sensor	-	-	-	-
Infrared LED	-	-	-	-
ICR (IR-Cut Filter Removal)	V	-	V	V
3D Noise Reduction	-	-	-	-
Wireless	-	-	-	-
Pan/Tilt/Zoom	-	-	-	-
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
Power Supply	External/PoE	External/PoE	External/PoE	External/PoE
Built in Microphone/ Speaker	Microphone	-	Microphone	Microphone
Local Storage	-	-	V	-
IP-Rating	-	-	-	-
Operation Temperature	0° ~ 40°C	0° ~ 40°C	0° ~ 40°C	0° ~ 40°C
Optional Accessories	BOH-1100: PoE Upgradable Outdoor Housing BOH-1200: PoE Upgradable Outdoor Housing with Infrared LEDs		Outdoor Housing:BOH-1100 / BOH-1200 Lens: CAS-1300/CAS-1400	Outdoor Housing: BOH-1400/BOH-1401/BOH-1410/BOH-1411

Fixed Kamera



FCS-5041
Tag/Nacht Megapixel PoE-Außen-Netzwerkamera



FCS-1141
1,3-Megapixel PoE-Netzwerkamera



FCS-0071
2-Megapixel Fish-Eye PoE-Netzwerkamera



FCS-1131
2-Megapixel PoE-Netzwerkamera

Fixed Kameras Übersicht				
Model	FCS-5041	FCS-1141	FCS-0071	FCS-1131
Sensor	CMOS Megapixel	Sony CCD	CMOS 2-Megapixel	CMOS 2-Megapixel
Max. Resolution	1280 x 800	1280 x 960	1600 x 1200	1920 x 1080
AGC/AWB/AES/WDR	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES
PIR Sensor	-	-	-	-
Infrared LED	V	-	-	-
ICR (IR-Cut Filter Removal)	V	V	V	V
3D Noise Reduction	-	V	-	V
Wireless	*150Mbps	-	-	-
Pan/Tilt/Zoom	Z(4x)	-	-	-
ePTZ	-	-	V	-
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
Power Supply	External/PoE	External/PoE	External/PoE	External/PoE
Built in Microphone/ Speaker	-	-	V	-
Local Storage	V	V	V	V
IP-Rating	IP67	-	-	-
Operation Temperature	-20° ~ 50°C	0° ~ 50°C	0° ~ 50°C	-10° ~ 50°C
Optional Accessories	* WUA-5600: 150Mbps Wireless High Power Outdoor USB Adapter	Outdoor Housing: BOH-1400/BOH-1401/BOH-1410/BOH-1411	-	Outdoor Housing: BOH-1400/BOH-1401/BOH-1410/BOH-1411



NEW



FCS-5051
Tag/Nacht 2-Megapixel PoE-Außen-Netzwerkamera



FCS-5052
Tag/Nacht 3-Megapixel PoE-Außen-Netzwerkamera



FCS-1132
3-Megapixel PoE-Netzwerkamera



FCS-5061
5-Megapixel Tag/Nacht PoE-Plus-Außen-Netzwerkamera

Fixed Kameras Übersicht				
Model	FCS-5051	FCS-5052	FCS-1132	FCS-5061
Sensor	CMOS 2-Megapixel	CMOS 3-Megapixel	CMOS 3-Megapixel	CMOS 5-Megapixel
Max. Resolution	1920 x 1080	2032x1536	2032x1536	2592 x 1944
AGC/AWB/AES/WDR	AGC/AWB/AES/WDR	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES/WDR
PIR Sensor	-	-	-	-
Infrared LED	V	V	-	V
ICR (IR-Cut Filter Removal)	V	V	V	V
3D Noise Reduction	V	-	-	V
Wireless	-	-	-	-
Pan/Tilt/Zoom	-	-/-/Digital: 4x	-	-
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
Power Supply	External/PoE	External/PoE	External/PoE	External/PoE
Built in Microphone/ Speaker	Microphone	Microphone	Microphone	Microphone
Local Storage	V	V	-	V
IP-Rating	IP66	IP66	-	IP66
Operation Temperatur	-10° ~ 50°C	0° ~ 50°C	0° ~ 40°C	-40°C ~ 50°C (AC 24V / PoE-Plus)
Optional Accessories	-	-	Outdoor Housing: BOH-1400/BOH-1401/BOH-1410/BOH-1411	-

Fixed Dome Kamera

- Kompatibel mit IEEE-802.3af
- Zwei-Wege Audio
- Digitale I/O-Anschlüsse für externe Sensoren und Alarmmelder
- Bundle mit der 64-Kanal LevelOne Software IP CamSecure

NEW

FCS-5062
5-Megapixel Tag/Nacht PoE-Außen-Netzwerkamera

ONVIF



FCS-3061
Megapixel-Tag/Nacht-PoE-Netzwerkuppelkamera

ONVIF



FCS-3062
2-Megapixel-Tag/Nacht-PoE-Netzwerkuppelkamera



FCS-3091
2-Megapixel Fish-Eye PoE-Netzwerkuppelkamera

Fixed Kameras Übersicht				
Model	FCS-5062	FCS-3061	FCS-3062	FCS-3091
Sensor	CMOS 5-Megapixel	CMOS	CMOS 2-Megapixel	CMOS 2-Megapixel
Max. Resolution	2592 x 1944	1280 x 800	1920 X 1080	1600 x 1200
AGC/AWB/AES/WDR	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES
PIR Sensor	-	-	-	-
Infrared LED	V	V	V	-
ICR (IR-Cut Filter Removal)	V	V	V	V
3D Noise Reduction	-	-	-	-
Pan/Tilt/Zoom	-/-/Digital4x	-	-	-
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
Power Supply	External/PoE	External/PoE	External/PoE	External/PoE
Built in Microphone/ Speaker	V	-	-	V
Local Storage	V	V	V	V
IP-Rating	IP66	-	-	-
Operation Temperatur	0°C ~ 50°C	0° ~ 40°C	0° ~ 40°C	0° ~ 50°C
Optional Accessories	-	-	-	-

Fixed Dome Kamera

ONVIF



FCS-3071
2-Megapixel-PoE-Netzwerkuppelkamera

ONVIF



FCS-3081
2-Megapixel-Tag/Nacht-PoE-Netzwerkuppelkamera

ONVIF **NEW**

FCS-3101
2-Megapixel-Tag/Nacht-PoE-Minikuppelnetzwerkamera



FCS-3052
3-Megapixel-Tag/Nacht-PoE-Netzwerkuppelkamera

Fixed Dome Kameras Übersicht				
Model	FCS-3071	FCS-3081	FCS-3101	FCS-3052
Sensor	CMOS 2-Megapixel	CMOS 2-Megapixel	CMOS-2-Megapixel	CMOS 3-Megapixel
Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080	2032 x 1536
AGC/AWB/AES/WDR	AGC/AWB/AES/WDR	AGC/AWB/AES/WDR	AGC/AWB/AES/WDR	AGC/AWB/AES
PIR Sensor	-	-	-	-
Infrared LED	-	V	V	V
ICR (IR-Cut Filter Removal)	-	V	V	V
3D Noise Reduction	V	V	-	-
Pan/Tilt/Zoom	-	-	-	-
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
Power Supply	PoE	External/PoE	External/PoE	External/PoE
Built in Microphone/ Speaker	-	-	Microphone/-	-
Local Storage	V	V	V	V
IP-Rating	IP66	IP66	-	-
Operation Temperature	-10° ~ 50°	-10° ~ 50°C (DC 12V/ PoE-Plus) -35° ~ 50°C (AC 24V)	0°C ~ 40°C	0° ~ 40°C
Optional Accessories	-	V*	-	-

*CAS-3100: T-Bar Ceiling Mount / CAS-3101: Interior Corner Mount / CAS-3000: Outdoor Housing / CAS-3241: Straight Tube 25cm / CAS-3242: Straight Tube 50cm / CAS-3201: Mini Pendant / CAS-3221: Corner Plate Mini / CAS-3222: Corner Plate Mount / CAS-3223: Corner Thin Box Mount / CAS-3261: Pole Thin Direct Mounting / CAS-3263: Pole Thin Box Mount / CAS-3281: Wall Box Mount

P/T Dome Camera

- Support unique features for auto tracking function of moving objects



FCS-4101
2-Megapixel-Tag/Nacht-P/T-PoE-Minikuppelnetzwerkamera

P/T/Z Dome Kamera

- 2-Wege Audio
- Digitale I/O-Anschlüsse für externe Sensoren und Alarmmelder
- Bundle mit der 64-Kanal LevelOne Software IP CamSecure



FCS-4041
Tag/Nacht Outdoor-2-Megapixel-PoE-Plus-Speed-Dome-Kamera

Fixed Dome Kameras Übersicht		
Model	FCS-4101	FCS-4041
Sensor	CMOS-2-Megapixel	Sony CMOS
Max. Resolution	1920 x 1080	1920 x 1080
AGC/AWB/AES/WDR	AGC/AWB/AES/WDR	AGC/AWB/AES/WDR
PIR Sensor	-	-
Infrared LED	V	-
ICR (IR-Cut Filter Removal)	V	V
3D Noise Reduction	-	V
Pan/Tilt/Zoom	P/T	P/T/Z(18x)
PoE	IEEE 802.3af	IEEE 802.3at
Power Supply	External/PoE	External/PoE
Built in Microphone/ Speaker	Microphone/-	-
Local Storage	V	V
IP-Rating	-	IP66
Operation Temperature	0° ~ 40°C	-10°~50°C(PoE-Plus) -40°~50°C (AC 24V)
Optional Accessories	-	CAS-3201: Mini Pendant CAS-3221: Corner Plate Mini CAS-3222: Corner Plate Mount CAS-3223: Corner Thin Box Mount CAS-3241: Straight Tube (25cm) CAS-3242: Straight Tube (50cm) CAS-3261: Pole Thin Direct Mount CAS-3263: Pole Thin Box Mount CAS-3281: Wall Box Mount CAS-3291: Outdoor Power Box (110-115V AC) CAS-3292: Outdoor Power Box (220-230V AC) CAS-4200: USB Joystick for PTZ Network Cameras

LevelOne bietet eine breite Palette an optionalem Zubehör um Benutzern zu helfen, ein komplettes IP-Überwachungs-Lösung.



Model: CAS-3000
Description: Outdoor Housing
Works with: FCS-3081



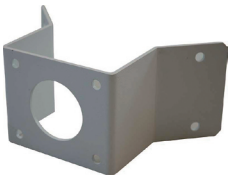
Model: CAS-3100
Description: T-Bar Ceiling Mount
Works with: FCS-3081



Model: CAS-3101
Description: Interior Corner Mount
Works with: FCS-3081



Model: CAS-3201
Description: Mini Pendant
Works with: FCS-3081



Model: CAS-3221
Description: Corner Plate Mini
Works with: FCS-3081



Model: CAS-3222
Description: Corner Plate Mount
Works with: FCS-4041



Model: CAS-3223
Description: Corner Thin Box Mount
Works with: FCS-4041



Model: CAS-3241 / CAS-3242
Description: Straight Tube
(25cm/50cm)
Works with: FCS-3081/FCS-4041



Model: CAS-3261
Description: Pole Thin Direct Mount
Works with: FCS-3081/FCS-4041



Model: CAS-3263
Description: Pole Thin Box Mount
Works with: FCS-4041



Model: CAS-3281
Description: Wall Box Mount
Works with: FCS-4041



Model: CAS-3291
Description: Outdoor Power Box
(110-115V AC)
Works with: FCS-4041



Model: CAS-3292
Description: Outdoor Power Box
(220-230V AC)
Works with: FCS-4041



Model: CAS-4001
Description: Pole Mount Kit for
Outdoor Camera Enclosure
Works with: BOH-1400/BOH-1401/
BOH-1410/BOH-1411



Model: CAS-4200
Description: USB Joystick for P/T/Z
Network Camera
Works with: FCS-4041

Linse



CAS-1300
2,8~8.5mm Vari-focal Tag/Nacht Megapixel Linse

- Sensing Area: 1/3" CCD
- Iris: DC-drive Auto Iris
- Diagonal: 118.1°~41.7°
- Horizontal: 95.4°~33.5°
- Vertical: 71.3°~25.0°



CAS-1400
2,8-12mm Tag/Nacht 2-Megapixel-Zoom-Objektiv

- Sensing Area: 1/3" CCD
- Iris: DC-drive Auto Iris
- Diagonal: 115°~34°
- Horizontal: 92°~27.2°
- Vertical: 69°~20.4°

Outdoor-Gehäuse



BOH-1400
Kamera-PoE-Outdoor-Gehäuse

- Vandalismusgeprüftes und Wetterfest, IP66-geprüft mit großem Betriebstemperaturbereich (-20°C bis 50°C) für raue Umgebungsbedingungen
- Vandal-proof IK10-rated housing
- Stromversorgungsunterstützung: High Power PoE
- Verwendbar mit LevelOne POI-4000 & FSW-0513



BOH-1401
Camera PoE Outdoor Enclosure, IR LEDs

- Vandalismusgeprüftes und Wetterfest, IP66-geprüft mit großem Betriebstemperaturbereich (-20°C bis 50°C) für raue Umgebungsbedingungen
- Vandal-proof IK10-rated housing
- Integrierte IR-LEDs für den Einsatz bei Nacht mit 50 m Reichweite
- Stromversorgungsunterstützung: High Power PoE
- Verwendbar mit LevelOne POI-4000 & FSW-0513



BOH-1410
Kamera-PoE-Outdoor-Gehäuse, FEVE-Beschichtung

- FEVE coating application enhance UV and acid protection
- Vandalismusgeprüftes und Wetterfest, IP66-geprüft mit großem Betriebstemperaturbereich (-20°C bis 50°C) für raue Umgebungsbedingungen
- Vandal-proof IK10-rated housing
- Stromversorgungsunterstützung: High Power PoE
- Verwendbar mit LevelOne POI-4000 & FSW-0513



BOH-1411
Kamera-PoE-Outdoor-Gehäuse, IR-LEDs, FEVE-Beschichtung

- FEVE coating application enhance UV and acid protection
- Vandalismusgeprüftes und Wetterfest, IP66-geprüft mit großem Betriebstemperaturbereich (-20°C bis 50°C) für raue Umgebungsbedingungen
- Vandal-proof IK10-rated housing
- Integrierte IR-LEDs für den Einsatz bei Nacht mit 50 m Reichweite
- Stromversorgungsunterstützung: High Power PoE
- Verwendbar mit LevelOne POI-4000 & FSW-0513

Die LevelOne IP CamSecure Serie wurde entwickelt, um erweiterte Funktionen für digitale Überwachungssysteme bieten zu können. Die IP CamSecure ist in der Lage die vollständige Steuerung von Kameras zu ermöglichen und unterstützt alle LevelOne Kameras sowie andere namenhafte Kamerahersteller

IP CamSecure Pro Mega Series		IP CamSecure
Main Features		
Max # of Cameras Live View, Monitor and Record	FCS-94 04/08/16/25/36/64 4/8/16/25/36/64	FCS-9064 64
Multi-Vendor Support	ACTi / Arecont Vision / Atlantis Land / Axis / BASLER / D-link / Etrovision / FINE / HIKVISION / IQinVision / JVC / Lumenera / Mobotix / Panasonic / Pixord / PLANET / Samsung / Sony / Toshiba / VIVOTEK / Zavio (*Please refer to the model official comparison list from LevelOne Website)	LevelOne
Multi-Language Embedded	Brazil, Bulgaria, Traditional / Simple, Chinese, Czech, Danish, Dutch, English, Farsi, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Korean, Norway, Polish, Portuguese, Romanian, Russian, Serbia, Slovak, Slovenian, Spanish, Swedish.	
Hybrid Camera Management	Monitor IP digital and CCTV analog cameras in one surveillance system	
Multiple Monitor display	Up to 3 monitor	Up to 2 monitor
E-Map	Up to 10 layers	Up to 2 layers
Smart Guard	Events triggered by general motion detection, missing/ foreign object detection, signal lost, camera occlusion, lose focus, external input or system status	No
Motion Detection	Camera-based motion detection with image exclude filter for image areas of no interest in specific period status	
Smart Search	Search unusual events with specific parameters from recorded video	General Motion Only
Alarm Notification	Play sound, send emails, PoP up E-MAP on event, make phone calls, P/T/Z PRESET GO, Signal digital output, Send a SMS message, Send Snapshot to FTP/Email, on screen display and instant recording.	Instant recording
Counting Application	Count how many times objects move between different locations	No
Video Compression	MJPEG / MPEG4 / H.264	
Audio	Support full duplex real time audio	
User Account	Multiple user authentication levels with password restriction rules for unlimited users	
Log Viewer	All unusual events ,system events by date/time and/or cameras	
Recording	Continuous recording, manual recording/snapshot, record by schedule, record by digital input or triggered event, and record moving only (pre/post record buffer is up to 60 seconds).	
3GPP	**Monitor in 3G mobile devices which are equipped with 3G video playback.	
Digital Watermark	Yes	No
DDNS	Support DdDNS and Dynu.	No
UPnP	Search for IP cameras via UPnP	No
Upgrade	No extra charge required for the further upgrade	
Playback		
Simultaneously Playback	16-CH	
Image Enhancer	Improve recorded video to get better image during playback and can be applied during export	
Search for Recordings	Search for recordings based on date, time or specific video parameters	Search for motion in continuous recordings
Playback	Controllable speed 1/16x~16x or frame by frame	
Video Clip Export	Export single BMP/JPEG/GIF/PNG/TIFF images to file or printer; Export video in AVI	
P/T/Z and I/O		
Pan/Tilt/Zoom Support	Control of P/T/Z cameras and preset positions	
Preset Patrolling	Multiple cameras patrolling	
Go to Preset on Event	Yes	No
Input/Output Control	Support digital input/output control	
Remote Access via Remote Client Software		
Remote Client Service	Remote live Viewer/ Remote Playback	
Pan/Tilt/Zoom Support	Control of P/T/Z cameras	
Max # of Cameras Live View	Up to 32-CH from different servers	
Max # of Cameras Playback	Up to 16-CH	
Smart Phone Client (WM 5.0 or above)	Up to 16-CH	
Remote Access via Web Browser		
PC/NB IE Browser	Up to 16-CH Live viewer and playback	
iPhone safari	Up to 16-CH	
Remote Access via Apps		
iOS	Up to 16-CH, 6-CH Live display and P/T/Z	
Android	Up to 16-CH, 6-CH Live display and P/T/Z	
Minimum System Requirements		
CPU	Intel Core 2 Quad Q9400, Intel Core I5, Intel Core I7	Intel core 2 Duo E5300
RAM	2GB above	
Display	ATI Radeon 4650, nVIDIA GeForce GF-9600, Intel 945G/965G, or above (ATI recommended)	1GB
OS	MS Windows XP/ Vista / Server 2003 / Server 2008(32bit)/7	
*Please visit www.level1.com for the compatible product list.		
**This feature depends on the mobile telecom service provided and the mobile phone model. LevelOne does not guarantee that this feature will work in all countries.		
***The specification is subject to change. Please visit www.level1.com for the latest specification. Users can upgrade IP CamSecure Lite(older version) to IP CamSecure(v1.26)		

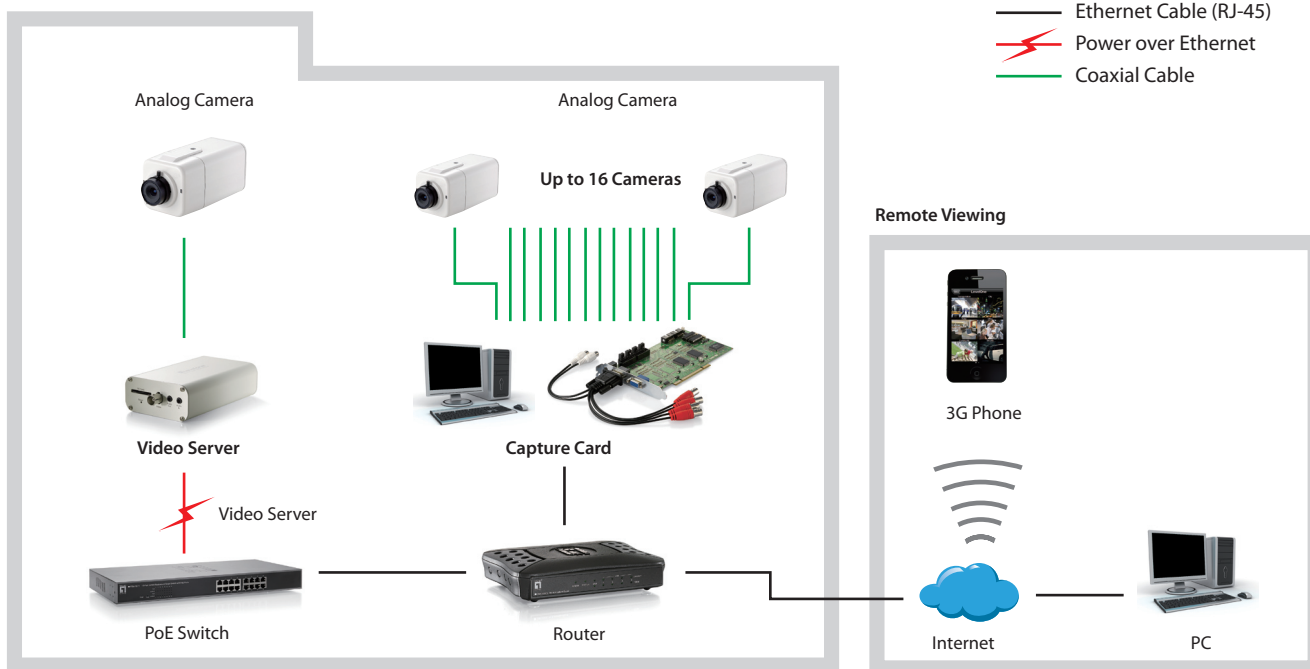
FCS-94xx (H/W: V1.26.1) Überwachungs-Software

- Überwachung von bis zu 64 Kanälen gleichzeitig
- Dualer Monitor Unterstützt Live-Ansicht und Wiedergabe gleichzeitig Reaktion zur Überwachung größerer Bereiche
- "Smart search" zur leichten Auffindung von Aufnahmen und auch als Multi-Ereignis-Ansicht / -filter
- Verbesserte Qualität der Videoaufnahme
- "zählfunktion" zur Summenkontrolle von Gegenständen
- Unterstützt Web-basiertes und 3G mobiles Fernüberwachung
- Komplettes System- und Ereignislogbuch
- Stützt sich auf Festplatten-Speicherung statt auf Videobänder
- Broadcast Live-Video über das Internet zur Fernansicht
- Unterstützt digitale und analoge Kameras in einen System
- Kontrolliert P/T/Z-Funktionen der Kameras

* Für LevelOne Kameras, Capture Karten und Videoserver. Es werden auch andere Netzwerk Kameras Unterstützt.



IP CamSecure Pro Mega Series	
Model name	FCS-94 04/08/16/25/36/64
Simultaneous Monitoring	4/8/16/25/36/64
Camera Support	
LevelOne	FCS-0010, FCS-0020, FCS-0030, FCS-0031, FCS-0040, FCS-1010, FCS-1030, FCS-1040, FCS-1050, FCS-1060, FCS-1070, FCS-1081, FCS-1081A, FCS-1091, FCS-1101, FCS-1121, FCS-1131, FCS-1132, FCS-1141, FCS-1151, FCS-3000, FCS-3021, FCS-3031, FCS-3051, FCS-3052, FCS-3061, FCS-3062, FCS-3071, FCS-3081, FCS-3091, FCS-3101, FCS-4010, FCS-4020, FCS-4041, FCS-4101, FCS-5011, FCS-5030, FCS-5041, FCS-5051, FCS-5052, FCS-5061, FCS-5062, FCS-6010, FCS-7011, WCS-0010, WCS-0020, WCS-0030, WCS-0040, WCS-1090, WCS-2010, WCS-2010, WCS-2030, WCS-2040, WCS-2060, WCS-2070
ACTI	ACD2000Q, ACD2100, ACD2200, ACD2300, ACD2400, ACM1011, ACM1231, ACM1232, ACM1311, ACM1431, ACM1432, ACM1511, ACM3001, ACM3011, ACM3211, ACM3311, ACM3401, ACM3411, ACM3511, ACM4000, ACM4100, ACM4200, ACM4201, ACM5001, ACM5601, ACM5611, ACM5711, ACM7411, ACM8201, ACM8211, ACM8511, CAM5130, CAM5140, CAM5150, CAM5200, CAM5201, CAM5221, CAM5300, CAM5301, CAM5321, CAM5500, CAM6100, CAM6200, CAM6220, CAM6500, CAM6510, CAM6520, CAM6600, CAM6610, CAM6620, CAM6630, CAM7100, CAM7120, CAM7200, CAM7220, CAM7300, CAM7301, CAM7320, CAM7321, CAM7322, SED2100, SED2120, SED2140, SED2310Q, SED2320Q, SED2400, SED2420, SED2600, SED2610, SEM1110, TCM4301, TCM5311
Arecont Vision	AV1300, AV1305, AV1355, AV2000, AV2100, AV2105, AV2155, AV3100, AV3105, AV3130, AV3155, AV5100, AV5105, AV5155, AV8180, AV8185, AV8360, AV8365
Atlantis Land	A02-OIPCAM1, A02-OIPCAM2, A02-OIPCAM3, A02-IPCAM5, A02-IPCAM6, A02-IPCAM7, A02-IPCAM8, A02-IPCAM9, A02-IPCAM10, A02-IPCAM11, A02-IPCAM12, A02-IPCAM13, A02-IPCAM14, A02-IPCAM15, A02-IPCAM16, A02-IPCAM17
AXIS	205, 206, 206M, 206W, 207, 207MM, 207W, 209FD, 209FD-R, 209MFD, 209MFD-R, 210, 210A, 211, 211A, 211M, 211W, 212, 213, 214, 215, 216FD, 216FD-V, 216MFD, 216MFD-V, 221, 223M, 225FD, 231D, 231D+, 232D, 240Q, 240Q, 241Q, 241QA, 241S, 241SA, 242S, 243Q, 243SA, 247S, 246Q, M1011, M1011-W, M1031-W, M3011, M3014, P1311, P1343, P1344, P3301, P3301-V, P3343, P3343-V, P3343-VE, P3344, P3344-V, P3344-VE, Q1755, Q6032-E, Q7401, Q7404, Q7406
BASLER	BIP-640C, BIP-640C-DN, BIP-1000C, BIP-1000C-DN, BIP-1300C, BIP-1300C-DN, BIP-1600C, BIP-1600C-DN
D-Link	CS-6620, DCS-6620G, DCS-5220, DCS-5300, DCS-5300G, DCS-2120, DCS-3420, DCS-3220, DCS-3220G, DCS-2100, DCS-2100G, DVS-104, DVS-301, DCS-900, DCS-6900, DCS-910, DCS-920, DCS-950, DCS-950G, DCS-3110, DCS-3410, DCS-3415, DCS-5220(TW), DCS-5610, DCS-6110, DCS-6111
ETROVISION	EV3130AW, EV3130A, EV3131, EV3830H/HP, EV6130W, EV6130P, V6131HW, EV6131H/HP, EV6132A, EV6230A, EV6332, EV6333A, EV6530, EV6531A, EV6532A
FINE	TCP-690, TCP-690DN, TCP-HP930, WB-8211SD, WB-8411, CDV-3V930, TCP-690U, TCP-HP930U, WB-8211SDU, CDV-3V930U, EP-936, EP-908, EP-601, EP-201, EP-221, EP-221DN, MD-D1200, TCP670DNU, TCP680DNU
HIKVISION	DS-2DF1, DS-2CD852MF-E, DS-2CD802PF, DS-2CD802NF, DS-2CD812PF, DS-2CD812NF, DS-2CD832PF, DS-2CD832NF, DS-2CD892PF, DS-2CD892NF, DS-2CD802PF-E, DS-2CD802NF-E, DS-2CD812PF-E, DS-2CD812NF-E, DS-2CD832PF-E, DS-2CD832NF-E, DS-2CD892PF-E, DS-2CD892NF-E, DS-2CD812PF-IR1, DS-2CD812NF-IR1, DS-2CD832PF-IR1, DS-2CD832NF-IR1, DS-2CD892PF-IR1, DS-2CD892NF-IR1, DS-2CD812PF-IR3, DS-2CD812NF-IR3, DS-2CD832PF-IR3, DS-2CD832NF-IR3, DS-2CD892PF-IR3, DS-2CD892NF-IR3, DS-2CD702PF, DS-2CD702NF, DS-2CD712PF, DS-2CD712NF, DS-2CD732PF, DS-2CD732NF, DS-2CD792PF, DS-2CD792NF, DS-2CD702P-FB, DS-2CD702N-FB, DS-2CD712P-FB, DS-2CD712N-FB, DS-2CD732PF-FB, DS-2CD732NF-FB, DS-2CD792PF-FB, DS-2CD792NF-FB, DS-6101HFHP, DS-2CD852MF-E, DS-2CD752MF-E, DS-2CD752MF-FB, DS-2CD752MF-FH, DS-2CD862MF-E, DS-2CD762MF-E, DS-2CD762MF-FH, DS-2CD762MF-FB(Hs), DS-2CD812P(N)-IR5, DS-2CD832P(N)-IR5, DS-2CD892P(N)-IR5, DS-2CD852F, DS-2CD752F-E
IQinvision	IQeye301, IQeye301m, IQeye301w, IQeye302, IQeye302w, IQeye303, IQeye303w, IQeye501, IQeye510, IQeye511, IQeye601, IQeye602, IQeye603, IQeye701, IQeye702, IQeye703, IQeye705, IQeye751, IQeye752, IQeye753, IQeye755, IQA255, IQQ425, IQeye855
JVC	VN-C20U, VN-E4(U), VN-C205U, VN-C215U, VN-C655U
Lumenera	le045c, le045c-dn, le075c, le075c-dn, le11059c, le165c, le165c-dn, le175c, le175c-dn, le259c, le275c, le275c-dn, le375c, le375c-dn, li165c
MOBOTIX	D12D-IT, D12D-Sec, D22M-Basic, D22M-IT, D22M-Sec, M10D, M12D-IT, M12D-Sec, M12D-Web, M22M-IT, M22M-Sec, Q22M-Basic, Q22M-Sec, Q24-Basic, Q24-Sec
Panasonic	BB-HCE481, BB-HCM311, BB-HCM331, BB-HCM371, BB-HCM381, BB-HCM403, BB-HCM511, BB-HCM515, BB-HCM527, BB-HCM531, BB-HCM581, BB-HCS301, BL-C1, BL-C10, BL-C111, BL-C131, BL-C20, BL-C30, BL-C101A, BL-C121A, BL-C160, KX-HCM110, KX-HCM280A, DG-NF284, DG-NF302, DG-NP240, DG-NP244, DG-NP304, DG-NS202A, DG-NS202A, DG-NS950, DG-NS954, DG-NW960, DG-NW964, WJ-NT304, WJ-NT314, WV-NF284, WV-NF302, WV-NM100, WV-NP1000, WV-NP1004, WV-NP240, WV-NP244, WV-NP304, WV-NP472, WV-NP502, WV-NS202, WV-NS202A, WV-NS324, WV-NS950, WV-NS954, WV-NW484, WV-NW502S, WV-NW960, WV-NW964
PIXORD	100, 120/126/128, 200/206, 201, 205, 207, 240, 241, 261, 262, 263, 300, 400/42X, 461, 463, 1000, 1401, 2000, 4000, 405, 410, 405M, 411/412, 415M, 416
PLANET	ICA-510, ICA-700, ICA-151W, ICA-151, ICA-750, ICA-107W, ICA-107P, ICA-107, ICA-108, ICA-108W, ICA-120, ICA-230, ICA-230W, ICA-230P, ICA-M230, ICA-310, ICA-310W, ICA-312, ICA-312v2, ICA-350, ICA-350-V2, ICA-501, ICA-525, ICA-530, ICA-651, ICA-601, IVS-110
SAMSUNG	SCC-C6475, SNC-B2315, SNC-B5395, SNC-B2331, SNC-B2335, SNC-B5368, SNC-B5399, SNC-C6225, SNC-C7225, SNC-C7478, SNC-M300
SANYO	VCC-HD4000, VCC-HD4000P, VDC-DP9585P, VDC-DP9584M, VCC-9800P, VCC-9800NA, VCC-ZM600N
SONY	SNC-CM120, SNC-CS10, SNC-CS11, SNC-CS20, SNC-CS3, SNC-CS50, SNC-DF40, SNC-DF50, SNC-DF70, SNC-DF80, SNC-DF85, SNC-DM110, SNC-DM160, SNC-DS10, SNC-DS60, SNC-P1, SNC-P5, SNC-RX530, SNC-RX550, SNC-RX570, SNC-RZ25, SNC-RZ30, SNC-RZ50, SNC-Z20, SNT-V704
TOSHIBA	IK-WB02A, IK-WR01A, IK-WB21A, IK-WB15A
VIVOTEX	FD61x1, FD61x2, FD7130, FD7131, FD7132, FD7141, FD7160, IP21x1, IP21x2, IP3132, IP3133, IP3135, IP3135-PLNK, IP3136, IP3136-PLNK, IP3137, IP31x1, IP31x1TLFN, IP31x2, IP31x7, IP51x2, IP51x4, IP6114, IP6124, IP61x2, IP61x4, IP61X7, IP7130, IP7131, IP7132, IP7133, IP7134, IP7135, IP7137, IP7138, IP7139, IP7142, IP7151, IP7152, IP7153, IP7154, IP7160, IP7161, IP71x7, IP7251, IP7330, IP7361, IZ7151, PT3134, PT31x2, PT31x3, PT31x4, PT31x7, PT7000, PT7135, PT7137, PZ61x2, PZ61x4, PZ7131, PZ7151, PZ7152, PZ71X1, PZ71X2, SD61x2, SD7151, SD73X3, TC5330, TC5331, VS2101, VS2401, VS2402, VS2403, VS3100, VS3101, VS3102, VS3102-XLTH, VS7100
ZAVIO	B5110, B6110, D510E, D520E, D610A, D6111, D611E, F210A, F3100, F3105, F312A, F5100, F5105, F510E, F510W, F5110, F5115, F511E, F511W, F520E, F521E, F531E, F610A, F611E, F721A, F731E, M510E, M510W, M511E, M511W, P5110, P5115, V111T



ONVIF

**FCS-711****1-Port H.264 PoE Video Server**

- Bis zu 30 fps in D1 Auflösung
- Echtzeit H.264, MPEG-4 und MJPEG Kompression (Triple Codec)
- Multiple Streams gleichzeitig
- Kompatibel mit 802.3af PoE
- 2-Wege Audio via SIP-Protokoll
- HTTPS-verschlüsselte Datenübertragung
- IEEE 802.1x port-basierte Authentifizierung zur Netzwerksicherheit
- Digitaler I/O für externe Sensoren und Alarm
- RS-485 Schnittstelle für Scanner, Pan/Tilt
- Eingebauter SD/SDHC-Kartensteckplatz für On-board Speicherung
- Kostenlose Software ist im Lieferumfang enthalten (64-Kanal IP CamSecure™ Software)

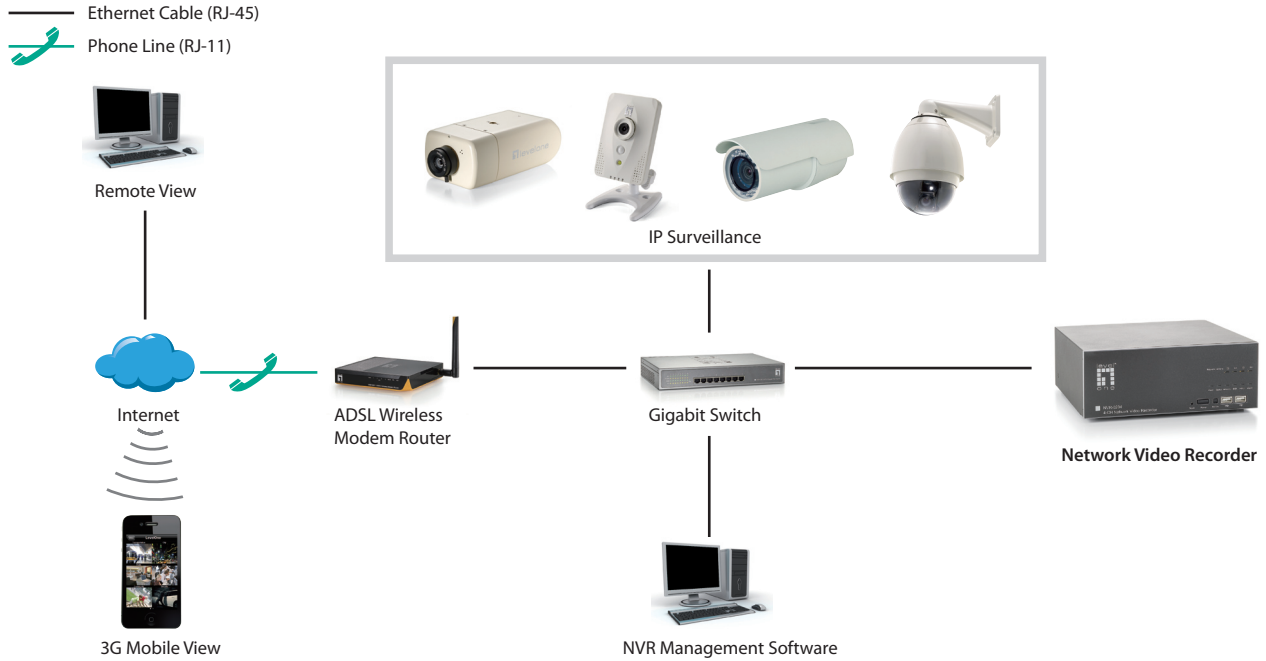
**FCS-8005****4-Kanal Analoge Kamera Capture Card**

- Integriert analoge und digitale Kameras in ein einziges, optimiertes Überwachungssystem.
- Unterstützt 4 analoge Kameras
- Fortschrittliche Motion Detection und Alarmfunktionen
- Bis zu 120(NTSC)/100(PAL) frames per second
- Hochwertige Video-Auflösung bis zu 704x480(NTSC)/704x576(PAL)
- 4 Audio-Eingangsports
- Software-Kompression H.264 (IP CamSecure v1.28 oder höher)
- Kostenlose 64-Kanal Überwachungssystem-Software (unterstützt iCamSecure Apple App und iOS Safari)
- Unterstützt MS Windows XP/Vista/Server

**FCS-8006****16-Kanal Analog Kamera Capture Card**

- Integrieren Sie bis zu 16 analoge Überwachungskameras in ein modernes digitales Überwachungssystem
- Bietet Bewegungserkennung (Motion Detection) und Alarmfunktionen
- Insgesamt bis zu 120 (NTSC) / 100 (PAL) fps
- Maximale Auflösungen: 704x480 (NTSC) / 704x576 (PAL)
- 4x Audio-Eingang
- MPEG4 Kompressionsmodus
- Inklusive kostenfreier IP 64-Kanal IP CamSecure Lite Überwachungssystem-Software

Die LevelOne Netzwerk Video Rekorder (NVR)-Serie ist kompatibel mit LevelOne Kameras sowie mit Kameras anderer namenhafter Hersteller. Die NVR-Serie bietet kosteneffiziente Überwachungslösungen und ermöglicht z.B. die Liv-Aufnahme von Ereignissen, die Live-Wiedergabe von Netzwerk Kameras über das Netzwerk, sogar über das Internet. Es werden keinerlei Hardware oder weitere spezielle Softwarelösungen benötigt. Einfach zu installieren, schnell, flexible und leistungsstark können bis zu 16 Kameras mit einem NVR verwaltet und überwacht werden. Mit einer zusätzlichen (kostenfreien) CMS Software können bis zu 16 NVR-Geräte verwaltet und zentral administriert werden.



Key Features

- 2 x 3,5-Zoll-Festplattensteckplatz (SATA I/II, bis zu 2 x 3 TB)
- Bis zu 4 Netzwerkkameras verwalten und steuern
- Komprimierung: H.264/MPEG-4, Part 2/MJPEG
- Auflösung: 5-Megapixel/3-Megapixel/Full-HD/Megapixel/FD1/CIF/QCIF
- Unterstützt intelligente Kamerasuche und 2-Wege-Audio
- Unterstützt PTZ/voreingestellten Punkt/voreingestellte Sequenz
- Bewegungserkennung und Ereignisanzeige auf eKarte
- Unterstützt iPhone/Smartphone/PDA-Fernüberwachung über das Internet
- Anzeigemodus: Echtzeitanzeige/Wiedergabe/Vollbild
- Unterstützt externe USV und DI/DO
- Unterstützt 2 Video-Streams gleichzeitig
- Kostenlos mitgelieferte NVR-Verwaltungssoftware zur Verwaltung von bis zu 16



NVR-0208
8-Kanal Netzwerk Video Rekorder



NVR-0216
16-Kanal Netzwerk Video Rekorder

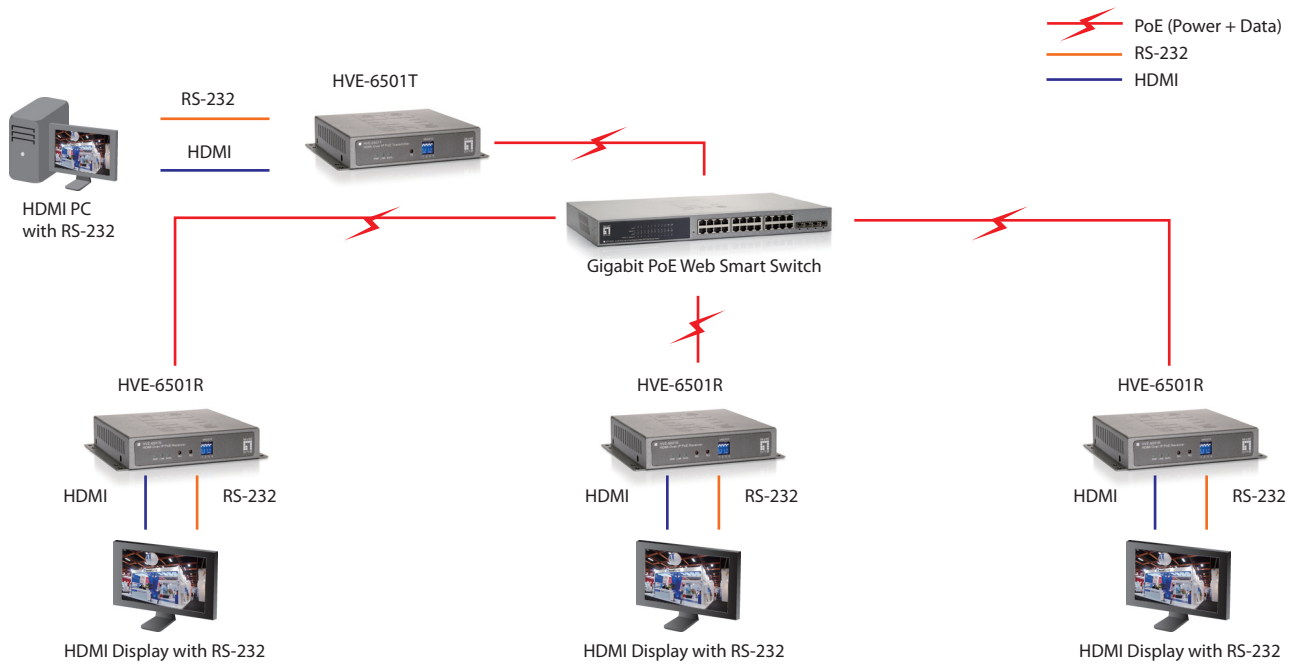
Netzwerk Video Rekorder Übersicht		
Model	NVR-0208	NVR-0216
Max. Channel	8	16
Full/Split Screen	1/4/8	1/4/8/16
Monitoring	Live View/Playback	Live View/Playback
Frame Rate	240 fps	480 fps

Netzwerk Video Rekorder Übersicht

	Network Video Recorders
Model name	NVR-0104/NVR-0208/NVR-0216
Monitoring camera	4/8/16
Camera Support	
LevelOne	FCS-0010, FCS-0020, FCS-0030, FCS-0031, FCS-0040, FCS-1010, FCS-1030, FCS-1040, FCS-1050, FCS-1060, FCS-1070, FCS-1081, FCS-1081A, FCS-1091, FCS-1101, FCS-1121, FCS-1131, FCS-1141, FCS-1151, FCS-3000, FCS-3021, FCS-3031, FCS-3051, FCS-3052, FCS-3061, FCS-3071, FCS-3081, FCS-3091, FCS-4010, FCS-4020, FCS-4041, FCS-4x00, FCS-5011, FCS-5030, FCS-5041, FCS-5051, FCS-5052, FCS-5061, FCS-6010, FCS-7011, WCS-0010, WCS-0020, WCS-0030, WCS-0040, WCS-1090, WCS-2010, WCS-2010, WCS-2030, WCS-2040, WCS-2060, WCS-2070
Abus	TV7240, TV7230, TV7203, TV7204, TV7206, TV7220, TV7221, TV7222, TV7223
ACTi	ACM1011, ACM1511, ACM1231, ACM1232, ACM3011, ACM3401, ACM3411, ACM3511, ACM4000, ACM4001, ACM4200, ACM4201, ACM5601, ACM5611, ACM7411, ACD2100, ACD2200, ACD2300, ACD2400, TCM-5311, CAM-6610, CAM-6630, CAM-6510, CAM-7301, CAM-7321, CAM-7322, ACM-8201
ALinking	9122/9122p, 9751/9751w, 9852/9852w, 9451, 9351, 9551, 9552, 9553, 9152, 9652, ALC-9272, ALC-9171, ALC-9153, ALC9371, ALS-7721
A-MTK	AM91xxM, AM92xxM, AM93xxM, AM95xxM, AM96xxM, AM97xxM, AM98xxM, AM90xxM, AM93xx, AM95xx, AM96xx, AM97xx, AM99xx, AM62xx, AM31xM, AM32xM, AM36xM, AM30xx, AM31xx, AM32xx, AM35xx, AM36xx, AM37xx, AM38xx, AM39xx, AM61xx
Arecont Vision	AV1300, AV1305, AV1355, AV2100, AV2105, AV2155, AV3100, AV3105, AV3155, AV3130, AV5100, AV5105, AV5155, AV8180, AV8185, AV8360, AV8365
AVTech	AVI-201, AVI-202, AVI-203, AVN-211, AVN-212, AVN-222, AVN-244, AVN-252, AVN-263, AVN-284, AVN-362
AXIS	All dual-stream and H.264 capable cameras
BrickCom	CB-100Ae-08 (VGA), WCB-100Ae-08 (VGA), CB-100Ae-08, WCB-100Ae-08, CB-101Ae-00, CB-102Ae-00, CB-100Ap-0c, WCB-100Ap-0c, CB-101Ap-04, CB-102Ap-04, FB-100Ae, WFB-100Ae, FB-100Ap, WFB-100Ap, FB-130Ap, WFB-130Ap, FB-130Np, WFB-130Np, FB-300Ap, WFB-300Ap, FD-100Ae, FD-100Ap, FD-130Ap, MD-100Ae, MD-100Ap, OB-100Ae, WOB-100Ae, OB-100Ap, WOB-100Ap, GOB-100Ap, OSD-040D/E 36xp, PZ-040D/E 12xp, VD-100Ae, VD-100Ap, VD-130Ap, VS-04A
Canon	VB-C300, VB-C60, VB-C500D
D-Link	DCS-2102, DCS-2121, DCS-3410, DVS-N3010, DVS-N3014, DVS-N3040, DVS-N3044, DCS-N3530, DCS-N3531, DCS-N3534, DCS-N5440, DCS-N5442, DCS-N5444, DCS-N6240, DCS-N6241, DCS-N6244, DCS-N2100, DCS-N2104, DCS-N40-20H2, DCS-N40M-32H2, DCS-N40M-33H2, DCS-N30-10H2
Etrovision	EV6150, EV6150A, EV6151A, EV6153A, EV6551A, EV6552A, EV6353A, EV6250A, EV3850A, EV3151A, EV3151, EV3150A, EV8180A, EV8580U-C, EV8180U
Hunt	All
IQinvision	WL-2000CAM, POE-100CAM, POE-200CAM, OD-300CAM, POE-100CAMv2, POE-200CAMv2, WL-2600CAM, POE-260CAM, WL-350HD, POE-200HD, OD-600HD, POE-250HD, OD-325HD, POE-100HD
Mobotix	M12, M22, D12, D24
Panasonic	BL-C1, BL-C10, BL-C20, BL-C30, BL-C111, BL-C131, BB-HCS301, BB-HCM100, BB-HCM110, BB-HCM311, BB-HCM331, BB-HCM371, BB-HCM381, KX-HCM110, KX-HCM280A, BB-HCM403, BB-HCE481, BB-HCM511, BB-HCM527, BB-HCM531, BB-HCM547, BB-HCM515, BB-HCM580, BB-HCM581, BB-HCM715, BB-HCM715, BL-C210A, BB-HCM701CE, BB-HCM705CE, BB-HCM735CE, WV-NP1004, WV-NP244, WV-NS202, WV-NF284, WJ-NT304, WV-NW484S, WV-NS202A, WV-NS954, WV-NW964, WJ-NT314, WV-NF302, WV-NP304, GXE-500, WV-NP502, WV-SF336, WV-SP305, WV-NW502S, WV-SP105, WV-SC385, WV-SP102, WV-SP306, WV-SF335, WV-SP336, WV-SP305, WV-NW502S, WV-SP105, WV-SC385, WV-SP102, WV-SP306, WV-SF335
Pixord	P600
Sony	SNC-CS10, SNC-CS11, SNC-CS20, SNC-CS50, SNC-DF40, SNC-DF50, SNC-DF70, SNC-DF80, SNC-DS10, SNC-DS60, SNC-P1, SNC-P5, SNC-RZ25, SNC-RZ50, SNC-RX530, SNC-RX550, SNC-RX570, SNC-CM120, SNC-CS20, SNC-DM110, SNC-DM160, SNC-DS10, SNC-DS60, SNC-RH124, SNC-RH164, SNC-RS46, SNC-RS44, SNC-RS86, SNC-RS84, SNT-EX101, SNT-EX104, SNT-EX154, SNT-EP104, SNT-EP154, SNC-CH140, SNC-CH210, SNC-CH240, SNC-DH140, SNC-DH140T, SNC-DH180, SNC-DH240, SNC-DH240T, SNC-DF85, SNC-CH220, SNC-DH220 / T, SNC-CH160, SNC-DH160, SNC-CH280, SNC-DH280, SNC-CH260, SNC-DH260, SNC-DH210 / T, SNC-CH120, SNC-DH120 / T, SNC-CH180, SNC-CH110, SNC-RH164, SNC-RH124
Toshiba	IK-WD01A, K-WB70A
Vivotek	IP7131 (V1), IP7132 (V1), IP7135 (V1), IP7137 (V1), PT7135 (V1), PT7137 (V1), IP7130, IP7133, P7134, IP7142, IZ7151, IP7153, IP7154, IP7160, IP7161, IP7251, IP7330, PZ7111, PZ7112, PZ7121, PZ7122, PZ7131, PZ7132, PZ7151, PZ7152, PT7135, FD7131, FD7132, FD7141, FD7141V, FD7151, SD73x3, IP8161, VS2403, IP8151, IP8330, IP8332, FD8361, FD8161, FD8134, VS8102, SD8121, MD7560, IP7361, IP8133, IP7361, IP7160
Zavio	F210A, F312A, F611E, F510E/W, F511E/W, F520E, F610A, D611E, D510E, M511E/W, M510W/W, D520E, F731E, F721A, F521E, V111T, F3105, D6111, F3100, F3105, F5100, F5105, F5115, D5111, F7110, F7210, F531E, F3206, F7110, F7210

LevelOne Digital Signage Lösungen bieten eine Fülle an Audio/Video-Extendern und bieten dem Nutzer somit die Möglichkeit auf individuelle Anforderungen des Kunden eingehen zu können. Unterstützt werden HDMI, VGA, DVI Anschlüsse. Zusätzliche Funktionen wie PoE über Cat.5 Kabel und ip basierte Lösungen runde das Paket ab.

HDMI over IP Distribution Solution



HDMI over IP

- Kompatibel mit IEEE-802.3af
- Plug and Play Installation, automatisches Erkennen von Sender und Empfänger im selben Netzwerk
- Multi-Cast Gruppen mit Gigabit Switch (erfordert IEEE-802.1Q VLAN & IGMP Funktion)
- Unterstützt Point-to-Point, Point-to-Many, Many-to-Many Verbindungen
- Bis zu 16 Sender und bis zu 200 Empfänger in einer Lösung möglich (HVE-6501T/HVE-6501R)
- Bis zu 9 Sender und bis zu 81 Empfänger in einer Lösung möglich (HVE-6601T/HVE-6601R)



HVE-6501T / HVE-6501R
HDMI over IP PoE Transmitter / Receiver



HVE-6601T / HVE-6601R
HDMI Video Wall over IP PoE Transmitter / Receiver

HDMI over IP Übersicht				
Model	HVE-6501T	HVE-6501R	HVE-6601T	HVE-6601R
Transmitter / Receiver / Repeater	Transmitter	Receiver	Transmitter	Receiver
HDMI Input	1	-	1	-
HDMI Output	-	1	-	1
Ethernet Port	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps
Resolution	1080p	1080p	1080p	1080p

HDMI over Cat5

- Distanzen von bis zu 60m für 1080i oder 40m für 1080p
- Einfache Installation ohne weitere Software
- Flexibles Audio-/Video Broadcasting von Digital Signage Inhalten in verschiedenen Locations möglich
- HDMI 1.3 Ermöglicht das ansteuern von bis zu 200 Displays
- HDMI 1.3c konform



HVE-9001/HVE-9000
HDSpider™ Long Range Cat.5
HDMI Sender/Receiver



HVE-9002/HVE-9003
HDSpider™ HDMI Cat.5 Sender
(kaskadierbar-HVE-9003)



HVE-9004
HDSpider™ 4-Port Cat.5 HDMI Sender



HVE-9008
HDSpider™ 8-Port Cat.5 HDMI Sender



HVE-9900
HDSpider™ Short Range Cat.5
HDMI Receiver



HVE-9005T/HVE-9005R
HDMI-über-Cat-5-Verstärkerset

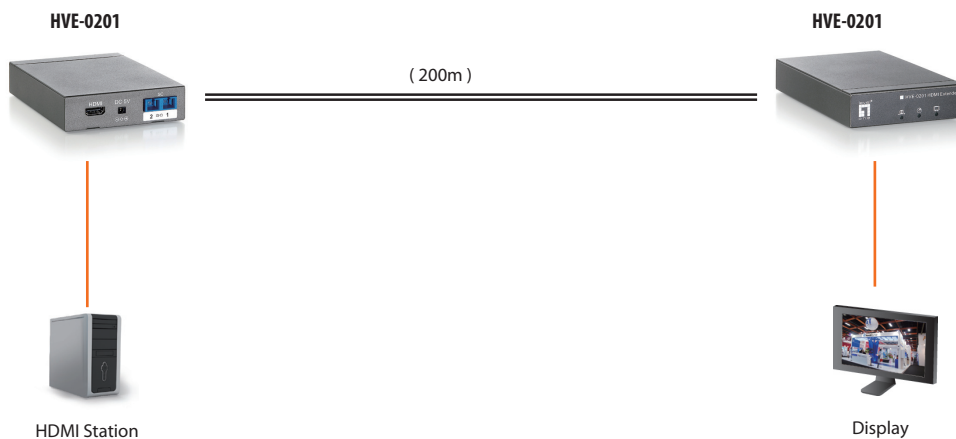
HDMI over Cat.5 Übersicht						
Model	HVE-9001/HVE-9000	HVE-9002/HVE-9003	HVE-9004	HVE-9008	HVE-9900	HVE-9005T/HVE-9005R
Transmitter/Receiver/Repeater	Transmitter/Receiver	Transmitter	Transmitter	Transmitter	Receiver	Transmitter/Receiver
RJ-45 Input	-/1	-/1	-	-	1	-/1
RJ-45 Output	1/-	1	4	8	-	1/-
HDMI Input	1/-	1/-	1	1	-	1/-
HDMI Output	-/1	1	-	1	1	-/1
Audio Support	V	V	V	V	V	V

HVE-0201

HDMI Extender über Glasfaser

- Bietet Übertragung von HDMI-Signalen über Glasfaserkabel bis zu 200m
- Bietet hohe Auflösung von 1920x1200
- Komplette HDCP/CEC fähig, keine Kupferverdrahtung notwendig
- Glasfaserverbindung arbeitet ohne RF-Interferenzen
- Kompatibel mit Class 1 Laser Produkt mit EN 60825-1

Multi-mode Fiber
 HDMI Cable



A/V (DVI) over Cat5

- Einfache Installation ohne weitere Software
- Flexibles Audio-/Video Broadcasting von Digital Signage Inhalten in verschiedenen Locations möglich



ADE-8011
Audio Transmitter/Receiver



ADE-8201
Single-Port DVI Transmitter



ADE-8202
2-Port DVI Broadcaster mit Audio



ADE-8204/ADE-8208
4/8 -Port DVI Broadcaster mit Audio



ADE-8001
Short Range DVI-D Receiver



ADE-8002
Long Range DVI-D Receiver

A/V (DVI) over Cat5 Übersicht						
Model	ADE-8011	ADE-8201	ADE-8202	ADE-8204/ADE-8208	ADE-8001	ADE-8002
Transmitter /Receiver/ Repeater	Transmitter/Receiver	Transmitter	Transmitter	Transmitter	Receiver	Receiver
RJ-45 Input	-	-	-	-	1	1
RJ-45 Output	-	1	2	4 / 8	-	-
RJ-11 Input	1	-	-	-	-	-
RJ-11 Output	-	-	2	4 / 8	-	-
DVI Input	-	1	1	1	-	-
DVI Output	-	-	1	1	1	1
Resolution	-	1024 x 768	1024 x 768	1024 x 768	1024 x 768	1024 x 768
Audio Support	V	V	V	V	V	V
Distance	100m	15m/70m@1024x768 with ADE-8001/8002			15m@ 1024 x 768	35m@ 1920 x 1200
Optional Accessories	-	-	-	-	-	-

DVE-0500

DVI Extender über 4 optische Kabel (LC 500m)

- Bietet Übertragung von digitalen DVI-Signalen über Glasfaserkabel bis zu 500m
- Bietet eine hohe Bildqualität
- Unterstützt VGA-, SVGA-, XGA-, SXGA- und UXGA-Auflösung
- Signal wird nicht durch elektrische Interferenzen beeinflusst
- Glasfaser hat eine niedrige Dämpfung wodurch große Entfernungen erreicht werden LC-Anschluss

Multi-mode Fiber (2c)
 DVI Cable



DVI Station

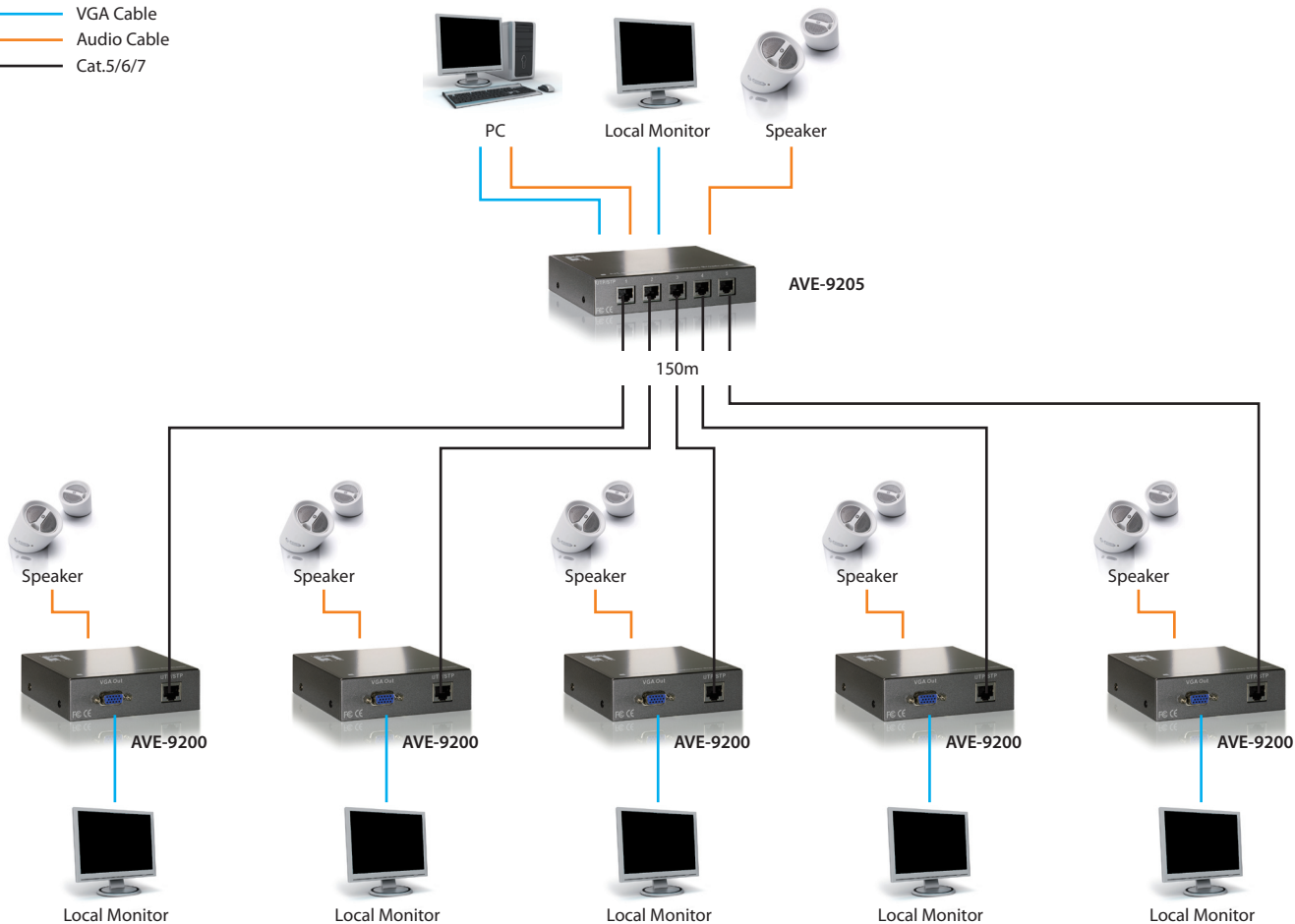
(500m)



Display

A/V (VGA) over Cat5

- VGA Cable
- Audio Cable
- Cat.5/6/7



A/V (VGA) over Cat5 - (9200 Series)

- Einfache Installation ohne weitere Software
- Unterstützt Cat.5/5e/6 Ethernet Verkabelung
- SuperVGA Auflösung bis zu 1280 x 1024
- Flexibles Audio-/Video Broadcasting von Digital Signage Inhalten in verschiedenen Locations möglich
- Kompatibel mit DOS, MS Windows, Linux, Unix und Netware



AVE-9201
1-Port Cat.5 Audio/Video Broadcaster



AVE-9205
5-Port Cat.5 Audio/Video Broadcaster



AVE-9200
Cat.5 Audio/Video Receiver

VGA 9200 series Extender Übersicht			
Model	AVE-9201	AVE-9205	AVE-9200
Transmitter /Receiver	Transmitter	Transmitter	Receiver
VGA Input	1	1	-
VGA Output	1	1	1
RJ-45 Input	-	-	1
RJ-45 Output	1	5	-
Audio Support	V	V	V
Distance	150m	150m	150m

A/V (VGA) over Cat5 (9300 Series)

- Einfache Installation ohne weitere Software
- Unterstützt Cat.5 Ethernet Verkabelung
- Super VGA Auflösung bis zu 2048 x 1536
- Flexibles Audio-/Video Broadcasting von Digital Signage Inhalten in verschiedenen Locations möglich
- (AVE-9304/9308.9316) Können bis zu 3x kaskadiert werden (with AVE-9304A) um eine Distanz von bis zu 900m überbrücken zu können



AVE-9300
1-Port Cat.5 VGA Receiver



AVE-9301
1-Port Cat.5 VGA Transmitter



AVE-9304
4-Port Cat.5 VGA Transmitter



AVE-9308
8-Port Cat.5 VGA Transmitter



AVE-9316
16-Port Cat.5 VGA Transmitter



AVE-9304A
4-Port Cat.5 VGA Repeater

VGA 9300 Series Extender Übersicht			
Model	AVE-9300	AVE-9301	AVE-9304
Transmitter /Receiver/Repeater	Receiver	Transmitter	Transmitter
RJ-45 Input	1	-	-
RJ-45 Output	-	1	4
VGA Input/Output	1 x Output	1 x Input/Output	1 x Input/Output
Audio Support	V	V	V
Distance	300m	300m	300m
Optional Accessories	RCA-9018: 1.8m VGA to RCA cable (receiver to video display) YCC-9018: 1.8m VGA to YCBCR cable (receiver to video display, supports HD up to 720p) AVC-0010: 1m VGA + Audio cable (receiver to video display, VGA male to VGA female) AVC-0011: 1m VGA + Audio cable (receiver to video display, VGA male to VGA male)	RCA-9007: 0.7m RCA to VGA cable (video source to transmitter) YCC-9007: 0.7m YCBCR to VGA cable (video source to transmitter, supports HD up to 720p) VGA-0011: 1m Audio and Video cable (USB cable only)	RCA-9007: 0.7m RCA to VGA cable (video source to transmitter) YCC-9007: 0.7m YCBCR to VGA cable (video source to transmitter, supports HD up to 720p) VGA-0011: 1m Audio and Video cable

VGA 9300 Series Extender Übersicht			
Model	AVE-9308	AVE-9316	AVE-9304A
Transmitter /Receiver/Repeater	Transmitter	Transmitter	Repeater
RJ-45 Input	-	-	1
RJ-45 Output	8	16	4
VGA Input/Output	1 x Input/Output	1 x Input/Output	1 x Output
Audio Support	V	V	V
Distance	300m	300m	300M
Optional Accessories	RCA-9007: 0.7m RCA to VGA cable (video source to transmitter) YCC-9007: 0.7m YCBCR to VGA cable (video source to transmitter, supports HD up to 720p) VGA-0011: 1m Audio and Video cable	RCA-9007: 0.7m RCA to VGA cable (video source to transmitter) YCC-9007: 0.7m YCBCR to VGA cable (video source to transmitter, supports HD up to 720p) VGA-0011: 1m Audio and Video cable	RCA-9018: 1.8m VGA to RCA cable (receiver to video display) YCC-9018: 1.8m VGA to YCBCR cable (receiver to video display, supports HD up to 720p) AVC-0010: 1m VGA + Audio cable (receiver to video display, VGA male to VGA female) AVC-0011: 1m VGA + Audio cable (receiver to video display, VGA male to VGA male)

Das LevelOne IP Audio Broadcasting System dient zum Aufbau von Public Announcing Systemen in Schulen, Discountern und großen Einkaufszentren. Es können mehrer Zonen eingerichtet werden und unterschiedlich beschallt werden. Da die Lösung IP basiert ist, kann das vorhanden Netzwerk zum Aufbau genutzt werden. Zudem kann das Netzwerk, mittels Managed-Switches von LevelOne in verschiedenen Broadcast Domains unterteilt werden. Somit ist der normale Datenverkehr vom Public Announcing System abgehottet und die Durchsagen werden in Echtzeit an den Ausgabegeräte (Lautsprecher) ausgegeben.

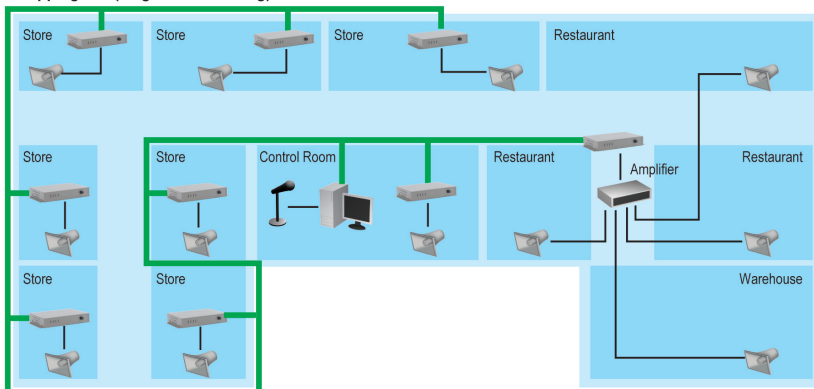
IAT-1000

IP Audiocast Terminal

- Einfach zu benutzendes Auto-Terminal für Durchsagen und Hintergrundmusik über IP Netzwerke
- Zeitgesteuertes Audio in verschiedenen Zonen möglich
- Suchen, konfigurieren und verwalten aller Audiocast Terminal von einem zentralen Punkt aus
- Inklusive Software zur Verwaltung bis zu 7 Audiocast Terminals
- Systemvoraussetzung: CPU Intel Pentium IX 2.4G oder besser, RAM 1GB oder mehr, Festplattenplatz 30MB oder mehr, OS MS Windows 2000/XP/2003/Vista



Shopping Mall(single level drawing)



Illustrations

- Level1 IAT Terminal
- PC to Run Level1 Audiocast Manager
- Microphone For Announce
- Installed Standard Ethernet Network

LevelOne IP Audiocast Manager

Die Verwaltung des Public Announcing Systems war niemals einfacher. Die LevelOne Audio Broadcasting Software bietet zusammen mit den IP Audiocast Terminals eine robuste und flexible Lösung. Die Software sendet sämtliche Inhalte an die im Netzwerk befindlichen IAT-1000. Sämtliche Formate können ausgegeben werden (MP3-, WAV-, M3U-Playlists) sowie Live-Durchsagen mittels Mikrofon. Unterteilt in verschiedene Zonen, können die Inhalte an die richtige Zielgruppe wiedergegeben werden.



	Manager Lite	IAT-1920	IAT-1900
Main Features			
Max of Terminal View, Monitor and Configure	7	20	Unlimited
Smart Search	Yes	Yes	Yes
Broadcast tech.	Yes	Yes	Yes
Streaming tech.	Yes	Yes	Yes
Schedule Control	N/A	Yes	Yes
Live Announcement	Yes	Yes	Yes
Multiple Zone View, Monitor and Configure	N/A	Yes	Yes
Music's Format Support MP3 / WAV	Yes	Yes	Yes
Music's Control Play/Stop/Next/Forward	Yes	Yes	Yes
Playlist (M3U) Create/Edit/Save	Yes	Yes	Yes
USB Key Protection	N/A	Yes	Yes
OS	Windows 2000/XP/2003/Vista		
Terminal Configuration			
Active/Inactive Terminals	Yes	Yes	Yes
DHCP/Static IP	Yes	Yes	Yes
Firmware upgrade	Yes	Yes	Yes

* The IP Audiocast Manager Lite is the free version that comes with the IAT-1000
 * Please note that the Ethernet environment has to support broadcast streaming
 * The IAT-1900/1920 software has to run with USB Key license



Infinity

Industriell

Konverter	>78-82
Serial Device Server	>83-84
Switches	>85-97
Transceiver	>98-99
Stromversorgung	>100-103

Konverter



Models	IEC-1000	IEC-1020	IEC-1040	IEC-1100
Name	10/100 Industrial Media Converter, SC MM 2KM -40 to 75°C	10/100 Industrial Media Converter, SC SM 20KM -40 to 75°C	10/100 Industrial Media Converter, SC SM 40KM -40 to 75°C	10/100 Industrial Media Converter, SC MM 2KM -10 to 60°C
Interface				
Max. 100 BASE-T	-	-	-	-
Max. 10/100 BASE-TX	1	1	1	1
Max. 1000 BASE-T	-	-	-	-
Max. 10/100/1000 BASE-T	-	-	-	-
Max. 100 BASE-FX	1	1	1	1
Max. 100 BASE-SFP	-	-	-	-
Max. 1000 BASE-SX/LX/BX	-	-	-	-
Max. 1000 BASE-SFP	-	-	-	-
Max. PoE Ports	-	-	-	-
Web Management	-	-	-	-
Alarm Contact	V	V	V	-
Mode of Operations				
Auto-negotiation, Auto-MDI/MDI-X	V	V	V	V
Flow Control	V	V	V	V
Store & Forward	V	V	V	V
Link Fault Pass Through	V	V	V	-
Mechanical				
Casing	aluminum	aluminum	aluminum	plastic
Installation	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail
Dimensions (WxHxD)	50x110x135	50x110x135	50x110x135	26x70x110
Power Input				
No. of Power Input	2 / 1	2 / 1	2 / 1	1
Terminal Block	10 - 48VDC	10 - 48VDC	12 - 48VDC	12 - 48VDC
DC Jack	12VDC	12VDC	12VDC	12VDC
Operating Temperature				
-5°C to 55°C	-	-	-	-
-10°C to 60°C	-	-	-	V
-40°C to 75°C	V	V	V	-
Regulatory Approvals				
CE / FCC	V	V	V	V
VCCI	V	V	V	V
UL508	-	-	-	-
ISA12.12.01 / UL1604	V	V	V	-
IEC61850-3	-	-	-	-
EN50121-4	-	-	-	-
UL/cUL 60950-1	V	V	V	V

Konverter



IEC-1120	IEC-1140	IEC-1200	IEC-1220	IEC-1240
10/100 Industrial Media Converter, SC SM 20KM, -10 to 60°C	10/100 Industrial Media Converter, SC SM 20KM, -10 to 60°C	10/100 Industrial Media Converter w/ 15.4W PoE PSE, SC MM 2KM -10 to 60°C	10/100 Industrial Media Converter w/ 15.4W PoE PSE, SC SM 20KM -10 to 60°C	10/100 Industrial Media Converter w/ 15.4W PoE PSE, SC SM 40KM -10 to 60°C
-	-	-	-	-
1	1	1	1	1
-	-	-	-	-
-	-	-	-	-
1	1	1	1	1
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	PSE (15.4W)	PSE (15.4W)	PSE (15.4W)
-	-	-	-	-
-	-	-	-	-
V	V	V	V	V
V	V	V	V	V
V	V	V	V	V
-	-	V	V	V
plastic	plastic	aluminum	aluminum	aluminum
DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail
26x70x110	26x70x110	70x110x30	70x110x30	70x110x30
1	1	2	2	2
12 - 48VDC	12 - 48VDC	48VDC	48VDC	48VDC
12VDC	12VDC	48VDC	48VDC	48VDC
-	-	-	-	-
V	V	V	V	V
-	-	-	-	-
V	V	V	V	V
V	V	V	V	V
-	-	V	V	V
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
V	V	-	-	-

Konverter



Models	IEC-1300	IEC-1320	IEC-1340	IEC-1400
Name	10/100 Industrial Media Converter w/ 30W PoE PSE, SC MM 2KM -10 to 60°C	10/100 Industrial Media Converter w/ 30W PoE PSE, SC SM 20KM -10 to 60°C	10/100 Industrial Media Converter w/ 30W PoE PSE, SC SM 40KM -10 to 60°C	10/100 Industrial Media Converter w/ PoE PD, SC MM 2KM -10 to 60°C
Interface				
Max. 100 BASE-T	-	-	-	-
Max. 10/100 BASE-TX	1	1	1	1
Max. 1000 BASE-T	-	-	-	-
Max. 10/100/1000 BASE-T	-	-	-	-
Max. 100 BASE-FX	1	1	1	1
Max. 100 BASE-SFP	-	-	-	-
Max. 1000 BASE-SX/LX/BX	-	-	-	-
Max. 1000 BASE-SFP	-	-	-	-
Max. PoE Ports	PSE (30W)	PSE (30W)	PSE (30W)	PD
Web Management	-	-	-	-
Alarm Contact	-	-	-	-
Mode of Operations				
Auto-negotiation, Auto-MDI/MDI-X	V	V	V	V
Flow Control	V	V	V	V
Store & Forward	V	V	V	V
Link Fault Pass Through	V	V	V	V
Mechanical				
Casing	aluminum	aluminum	aluminum	aluminum
Installation	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail
Dimensions (WxHxD)	70x110x30	70x110x30	70x110x30	70x110x30
Power Input				
No. of Power Input	2	2	2	2
Terminal Block	48VDC	48VDC	48VDC	48VDC
DC Jack	48VDC	48VDC	48VDC	48VDC
Operating Temperature				
-5°C to 55°C	-	-	-	-
-10°C to 60°C	V	V	V	V
-40°C to 75°C	-	-	-	-
Regulatory Approvals				
CE / FCC	V	V	V	V
VCCI	V	V	V	V
UL508	V	V	V	V
ISA12.12.01 / UL1604	-	-	-	-
IEC61850-3	-	-	-	-
EN50121-4	-	-	-	-
UL/cUL 60950-1	-	-	-	-

Konverter



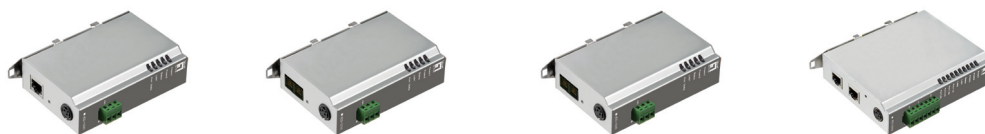
IEC-1420	IEC-1440	IEC-1800	IEC-1820	IEC-1840
10/100 Industrial Media Converter w/ PoE PD, SC SM 20KM -10 to 60°C	10/100 Industrial Media Converter w/ PoE PD, SC SM 40KM -10 to 60°C	10/100 Industrial Media Converter, SC MM 2KM, -40 to 75°C IEC61850	10/100 Industrial Media Converter, SC SM 20KM, -40 to 75°C IEC61850	10/100 Industrial Media Converter, SC SM 40KM, -40 to 75°C IEC61850
-	-	-	-	-
1	1	1	1	1
-	-	-	-	-
-	-	-	-	-
1	1	1	1	1
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
PD	PD	-	-	-
-	-	-	-	-
-	-	V	V	V
V	V	V	V	V
V	V	V	V	V
V	V	V	V	V
V	V	V	V	V
aluminum	aluminum	aluminum	aluminum	aluminum
DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail
70x110x30	70x110x30	50x110x135	50x110x135	50x110x135
2	2	3	3	3
48VDC	48VDC	12 - 48VDC	12 - 48VDC	12 - 48VDC
48VDC	48VDC	12VDC	12VDC	12VDC
-	-	-	-	-
V	V	-	-	-
-	-	V	V	V
V	V	V	V	V
V	V	V	V	V
V	V	V	V	V
-	-	-	-	-
-	-	V	V	V
-	-	V	V	V
-	-	-	-	-

Konverter



Models	IEC-2000	IEC-2001	IEC-2002
Name	10/100/1000 Industrial Media Converter, SFP -40 to 75°C	10/100/1000 Industrial Media Converter, SC MM 550M, -40 to 75°C	10/100 Industrial Media Converter, SC MM 2KM -40 to 75°C
Interface			
Max. 100 BASE-T	-	-	-
Max. 10/100 BASE-TX	-	-	-
Max. 1000 BASE-T	-	-	-
Max. 10/100/1000 BASE-T	1	1	1
Max. 100 BASE-FX	-	-	-
Max. 100 BASE-SFP	-	-	-
Max. 1000 BASE-SX/LX/BX	-	1	1
Max. 1000 BASE-SFP	1	-	-
Max. PoE Ports	-	-	-
Web Management	-	-	-
Alarm Contact	V	V	V
Mode of Operations			
Auto-negotiation, Auto-MDI/MDI-X	V	V	V
Flow Control	V	V	V
Store & Forward	V	V	V
Link Fault Pass Through	V	V	V
Mechanical			
Casing	aluminum	aluminum	aluminum
Installation	DIN-Rail	DIN-Rail	DIN-Rail
Dimensions (WxHxD)	50x110x135	50x110x135	50x110x135
Power Input			
No. of Power Input	3	3	3
Terminal Block	12 - 48VDC	12 - 48VDC	12 - 48VDC
DC Jack	12VDC	12VDC	12VDC
Operating Temperature			
-5°C to 55°C	-	-	-
-10°C to 60°C	-	-	-
-40°C to 75°C	V	V	V
Regulatory Approvals			
CE / FCC	V	V	V
VCCI	V	V	V
UL508	V	V	V
ISA12.12.01 / UL1604	-	-	-
EN50121-4	-	-	-
UL/cUL 60950-1	-	-	-

Serial Device Server



Models	IED-1000	IED-1010	IED-1020	IED-2000
Name	1-Port RS-232/422/485 Industrial Serial Device Server, 1-TX	1-Port RS-232/422/485 Industrial Serial Device Server, 1-FX SC MM 2KM	1-Port RS-232/422/485 Industrial Serial Device Server, 1-FX SC SM 20KM	2-Port RS-232/422/485 Industrial Serial Device Server, 2-TX
Ethernet Interface				
Max. 10/100 BASE-TX	1	1	1	2
Max. 100 BASE-FX	1	1	1	2
1.5KV Managetict Isolatio	V	V	V	V
Ethernet Redundancy	-	-	-	V
Serial Interface				
RS-232/422/485	1	1	1	4
RS-422/485	1	1	1	2
Connector Type	DB9 / TB	DB9 / TB	DB9 / TB	DB9 / RJ50 / TB
ESD Protection	V	V	V	V
Speed	50bps - 460.8kbps	50bps - 460.8kbps	50bps - 460.8kbps	50bps - 460.8kbps
Software				
Opertaion Modes	TCP, UDP, Pair Connection			TCP, UDP, Pair Connection
COM Driver Support	Windows 2000/XP/2003/Vista/7			Windows 2000/XP/2003/Vista/7
Configuration Options	Web, Telnet Console, SNMP			Web, Telnet Console, SNMP
Machanical				
Casing	aluminum	aluminum	aluminum	aluminum
Installation	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail
Dimensions (WxHxD)	70x110x30	70x110x30	70x110x30	100x125x30
Power Input				
No. of Power Input	2	2	2	3
Terminal Block	12 - 32VDC	12 - 32VDC	12 - 32VDC	12 - 32VDC
DC Jack	12VDC	12VDC	12VDC	12VDC
Operating Temperature				
0°C to 45°C	-	-	-	-
-10°C to 60°C	V	V	V	V
-25°C to 70°C	-	-	-	-
-25°C to 75°C	-	-	-	-
-34°C to 75°C	-	-	-	-
-40°C to 75°C	-	-	-	-
Regulatory Approvals				
CE / FCC	V	V	V	V
VCCI	V	V	V	V

Serial Device Server



Models	IED-2010	IED-2020	IED-4000	IED-4010	IED-4020
Name	2-Port RS-232/422/485 Industrial Serial Device Server, 1-TX, 1-FX SC MM 2KM	2-Port RS-232/422/485 Industrial Serial Device Server, 1-TX, 1-FX SC SM 20KM	4-Port RS-232/422/485 Industrial Serial Device Server, 2-TX	4-Port RS-232/422/485 Industrial Serial Device Server, 1-TX, 1-FX SC MM 2KM	4-Port RS-232/422/485 Industrial Serial Device Server, 1-TX, 1-FX SC SM 20KM
Ethernet Interface	2				
Max. 10/100 BASE-TX	2	2	2	2	2
Max. 100 BASE-FX	2	2	V	2	2
1.5KV Managetetic Isolatio	V	V	V	V	V
Ethernet Redundancy	V	V		V	V
Serial Interface	4				
RS-232/422/485	4	4	2	4	4
RS-422/485	2	2	DB9 / RJ50 / TB	2	2
Connector Type	DB9 / RJ50 / TB	DB9 / RJ50 / TB	V	DB9 / RJ50 / TB	DB9 / RJ50 / TB
ESD Protection	V	V	50bps - 460.8kbps	V	V
Speed	50bps - 460.8kbps	50bps - 460.8kbps		50bps - 460.8kbps	50bps - 460.8kbps
Software	TCP, UDP, Pair Connection				
Opertaion Modes	TCP, UDP, Pair Connection	TCP, UDP, Pair Connection	Windows 2000/XP/2003/Vista/7	TCP, UDP, Pair Connection	TCP, UDP, Pair Connection
COM Driver Support	Windows 2000/XP/2003/Vista/7	Windows 2000/XP/2003/Vista/7	Web, Telnet Console, SNMP	Windows 2000/XP/2003/Vista/7	Windows 2000/XP/2003/Vista/7
Configuration Options	Web, Telnet Console, SNMP	Web, Telnet Console, SNMP		Web, Telnet Console, SNMP	Web, Telnet Console, SNMP
Mechanical	aluminum				
Casing	aluminum	aluminum	DIN-Rail	aluminum	aluminum
Installation	DIN-Rail	DIN-Rail	100x125x30	DIN-Rail	DIN-Rail
Dimensions (WxHxD)	100x125x30	100x125x30		100x125x30	100x125x30
Power Input	3				
No. of Power Input	3	3	12 - 32VDC	3	3
Terminal Block	12 - 32VDC	12 - 32VDC	12VDC	12 - 32VDC	12 - 32VDC
DC Jack	12VDC	12VDC		12VDC	12VDC
Operating Temperature	-				
0°C to 45°C	-	-	V	-	-
-10°C to 60°C	V	V	-	V	V
-25°C to 70°C	-	-	-	-	-
-25°C to 75°C	-	-	-	-	-
-34°C to 75°C	-	-	-	-	-
-40°C to 75°C	-	-	-	-	-
Regulatory Approvals	V				
CE / FCC	V	V	V	V	V
VCCI	V	V		V	V

Switches



Models	IES-0500	IES-0510	IES-0511	IES-0512
Name	5 FE Unmanaged Switch -10 to 60°C, DIN-rail	4 FE + 1 MM SC Unmanaged Switch -10 to 60°C, DIN-rail	4 x 802.3af + 1 FE Unmanaged Switch -10 to 60°C, Desktop	4 x 802.3af + 1 MM SC Unmanaged Switch -10 to 60°C, Desktop
Interface				
Max. 10/100 BASE-TX	5	4	5	4
Max. 10/100/1000 BASE-T	-	-	-	-
Max. 100 BASE-FX	-	1	-	1
Max. 100 BASE-SFP	-	-	-	-
Max. 1000 BASE - SX/LX/BX	-	-	-	-
Max. 1000 BASE - SFP	-	-	-	-
PoE Ports	-	-	4 (15.4W)	4 (15.4W)
RS-232 Console Port	-	-	-	-
Alarm Contact	-	-	V	V
Performance				
MAC Address Table Size	2048	2048	1024	1024
Packet Buffer Memory (bits)	384K	384K	512K	512K
Mechanical				
Casing	plastic	plastic	aluminum	aluminum
Installation	DIN-Rail	DIN-Rail	DESKTOP	DESKTOP
Dimensions (WxHxD)	26x110x70	26x110x70	200x35x134.3	200x35x134.3
Power Input				
No. of Power Input	1	1	3	3
110 - 240VAC	-	-	-	-
Terminal Block	12 - 48VDC	12 - 48VDC	47 - 57VDC	47 - 57VDC
DC Jack	-	-	47 - 57VDC	47 - 57VDC
Operating Temperature				
-10°C to 60°C	V	V	V	V
-40°C to 75°C	-	-	-	-
Network Redundancy				
Ring Protocol	-	-	-	-
STP / RSTP / MSTP	-	-	-	-
Network Management & Control				
	-	-	-	-
Regulatory Approvals				
CE / FCC	V	V	V	V
UL508	-	-	-	-
ISA12.12.01 / UL1604	-	-	-	-
IEC61850-3 / IEEE1613	-	-	-	-
EN50121-4	-	-	-	-
UL60950	V	V	-	-

Switches



Models	IES-0520	IES-0820	IES-0521	IES-0522
Name	4 FE + 1 MM SC Unmanaged Switch -40 to 75°C, DIN-rail	8 FE Unmanaged Switch -40 to 75°C, DIN-rail	4 x 802.3af + 1 FE Unmanaged Switch -40 to 75°C, Desktop	4 x 802.3af + 1 MM SC Unmanaged Switch -40 to 75°C, Desktop
Interface				
Max. 10/100 BASE-TX	4	8	5	4
Max. 10/100/1000 BASE-T	-	-	-	-
Max. 100 BASE-FX	1	-	-	1
Max. 100 BASE-SFP	-	-	-	-
Max. 1000 BASE - SX/LX/BX	-	-	-	-
Max. 1000 BASE - SFP	-	-	-	-
PoE Ports	-	-	4 (15.4W)	4 (15.4W)
RS-232 Console Port	-	-	-	-
Alarm Contact	V	V	V	V
Performance				
MAC Address Table Size	8192	8192	1024	1024
Packet Buffer Memory (bits)	1.125M	1.125M	512K	512K
Mechanical				
Casing	aluminum	aluminum	aluminum	aluminum
Installation	DIN-Rail	DIN-Rail	DESKTOP	DESKTOP
Dimensions (WxHxD)	68x110x135	68x110x135	200x134x35	200x134x35
Power Input				
No. of Power Input	3	3	3	3
110 - 240VAC	-	-	-	-
Terminal Block	12 - 32VDC	12 - 32VDC	47 - 57VDC	47 - 57VDC
DC Jack	12VDC	12VDC	47 - 57VDC	47 - 57VDC
Operating Temperature				
-10°C to 60°C	(-20°C to 60°C)	(-20°C to 60°C)	-	-
-40°C to 75°C	-	-	V	V
Network Redundancy				
Ring Protocol	-	-	-	-
STP / RSTP / MSTP	-	-	-	-
Network Management & Control				
	-	-	-	-
Regulatory Approvals				
CE / FCC	V	V	V	V
UL508	V	V	-	-
ISA12.12.01 / UL1604	-	-	-	-
IEC61850-3 / IEEE1613	-	-	-	-
EN50121-4	-	-	-	-
UL60950	-	-	-	-

Switches



IES-0810	IES-0811	IES-0812	IES-0821	IES-0822
8 FE Unmanaged Switch -20 to 60°C, DIN-rail	4 x 802.3af + 4 FE Unmanaged Switch -10 to 60°C, DIN-rail	4 x 802.3af + 3 FE+ 1 MM SC Unmanaged Switch -10 to 60°C, DIN-rail	4 x 802.3af + 4 FE Unmanaged Switch -40 to 75°C, DIN-rail	4 x 802.3af + 3 FE+ 1 MM SC Unmanaged Switch -40 to 75°C, DIN-rail
8	8	7	8	7
-	-	-	-	-
-	-	1	-	1
-	-	-	-	-
-	-	-	-	-
-	4 (15.4W)	4 (15.4W)	4 (15.4W)	4 (15.4W)
-	-	-	-	-
V	V	V	V	V
2048	1024	1024	1024	1024
768K	1M	1M	1M	1M
aluminum	aluminum	aluminum	aluminum	aluminum
DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail
50x135x125	62x135x110	62x135x110	68x135x110	68x135x110
2	3	3	3	3
-	-	-	-	-
12 - 30VDC	47 - 57VDC	47 - 57VDC	47 - 57VDC	47 - 57VDC
12VDC	47 - 57VDC	47 - 57VDC	47 - 57VDC	47 - 57VDC
(-20°C to 60°C)	V	V	-	-
-	-	-	V	V
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
V	V	V	V	V
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
V	-	-	-	-

Switches



Models	IES-0823	IES-0830	IES-0831	IES-0840
Name	6 GE + 2 SFP Unmanaged Switch -20 to 60°C, DIN-rail	8 FE Unmanaged Switch -40 to 75°C, DIN-rail, IEC61850	6 FE + 2 MM SC Unmanaged Switch -40 to 75°C, DIN-rail, IEC61850	4 x 802.3af + 4 FE Web Smart Switch -10 to 60°C, DIN-rail
Interface				
Max. 10/100 BASE-TX	-	8	6	8
Max. 10/100/1000 BASE-T	8	-	-	-
Max. 100 BASE-FX	-	-	2	-
Max. 100 BASE-SFP	-	-	-	-
Max. 1000 BASE - SX/LX/BX	-	-	-	-
Max. 1000 BASE - SFP	2	-	-	-
PoE Ports	-	-	-	4 (15.4W)
RS-232 Console Port	-	-	-	-
Alarm Contact	V	V	V	V
Performance				
MAC Address Table Size	8192	2048	2048	1024
Packet Buffer Memory (bits)	1.125M	448K	448K	1M
Mechanical				
Casing	aluminum	aluminum	aluminum	metal
Installation	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail
Dimensions (WxHxD)	68x110x135	60x125x145	60x125x145	62x135x110
Power Input				
No. of Power Input	3	3	3	3
110 - 240VAC	-	-	-	-
Terminal Block	12 - 32VDC	12 - 48VDC	12 - 48VDC	47 - 57VDC
DC Jack	12VDC	12VDC	12VDC	47 - 57VDC
Operating Temperature				
-10°C to 60°C	(-20°C to 60°C)	-	-	V
-40°C to 75°C	-	V	V	-
Network Redundancy				
Ring Protocol	-	-	-	-
STP / RSTP / MSTP	-	-	-	-
Network Management & Control				
	-	-	-	System, IP Configuration, VLAN, QoS, Web Management
Regulatory Approvals				
CE / FCC	V	V	V	V
UL508	V	-	-	-
ISA12.12.01 / UL1604	-	-	-	-
IEC61850-3 / IEEE1613	-	V	V	-
EN50121-4	-	V	V	-
UL60950	-	-	-	-

Switches



IES-0841	IES-0842	IES-0843	IES-0850	IES-0851
4 x 802.3af + 3 FE + 1 MM SC Web Smart Switch -10 to 60°C, DIN-rail	4 x 802.3at + 4 FE Web Smart Switch -10 to 60°C, DIN-rail	4 x 802.3at + 3 FE + 1 MM SC Web Smart Switch -10 to 60°C, DIN-rail	4 x 802.3af + 4 FE Web Smart Switch -40 to 75°C, DIN-rail	4 x 802.3af + 3 FE+ 1 MM SC Web Smart Switch -40 to 75°C, DIN-rail
7	8	7	8	7
-	-	-	-	-
1	-	1	-	1
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
4 (15.4W)	4 (30W)	4 (30W)	4 (15.4W)	4 (15.4W)
-	-	-	-	-
V	V	V	V	V
1024	1024	1024	1024	1024
1M	1M	1M	1M	1M
metal	metal	metal	aluminum	aluminum
DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail
62x135x110	62x135x110	62x135x110	68x135x110	68x135x110
3	3	3	3	3
-	-	-	-	-
47 - 57VDC	47 - 57VDC	47 - 57VDC	47 - 57VDC	47 - 57VDC
47 - 57VDC	47 - 57VDC	47 - 57VDC	47 - 57VDC	47 - 57VDC
V	V	V	-	-
-	-	-	V	V
-	-	-	-	-
-	-	-	-	-
System, IP Configuration, VLAN, QoS, Web Management				
V	V	V	V	V
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

Switches



Models	IES-0852	IES-0853	IES-0880	IES-0881
Name	4 x 802.3at + 4 FE Web Smart Switch -40 to 75°C, DIN-rail	4 x 802.3at + 3 FE + 1 MM SC Web Smart Switch -40 to 75°C, DIN-rail	8 GE Managed Switch -20 to 60°C, DIN-rail	4 x 802.3af + 4 FE + 2 GE Combo Managed Switch -40 to 75°C, Desktop
Interface				
Max. 10/100 BASE-TX	8	7	-	6
Max. 10/100/1000 BASE-T	-	-	8	2
Max. 100 BASE-FX	-	1	-	-
Max. 100 BASE-SFP	-	-	-	-
Max. 1000 BASE - SX/LX/BX	-	-	-	-
Max. 1000 BASE - SFP	-	-	-	2
PoE Ports	4 (30W)	4 (30W)	-	4 (15.4W)
RS-232 Console Port	-	-	V	V
Alarm Contact	V	V	V	-
Performance				
MAC Address Table Size	1024	1024	4096	8192
Packet Buffer Memory (bits)	1M	1M	1M	2M
Mechanical				
Casing	aluminum	aluminum	aluminum	metal
Installation	DIN-Rail	DIN-Rail	DIN-Rail	DESKTOP
Dimensions (WxHxD)	68x135x110	68x135x110	65x125x145	200x134x50
Power Input				
No. of Power Input	3	3	3	1
110 - 240VAC	-	-	-	-
Terminal Block	47 - 57VDC	47 - 57VDC	12 - 32VDC	48 - 55VDC
DC Jack	47 - 57VDC	47 - 57VDC	12VDC	-
Operating Temperature				
-10°C to 60°C	-	-	V	-
-40°C to 75°C	V	V	-	V
Network Redundancy				
Ring Protocol	-	-	V	V
STP / RSTP / MSTP	-	-	V	V
Network Management & Control				
	System, IP Configuration, VLAN, QoS, Web Management		VLAN, QoS, IGMP, GMRP, Bandwidth Rate Control, Port Trunking, Port Mirroring, Packet Filtering, IEEE802.1x Security, DHCP Server/Client, SNMP (v1, v2c, v3), RMON, Web Management, Telnet Management, RS-232 Console Management	
Regulatory Approvals				
CE / FCC	V	V	V	V
UL508	-	-	V	-
ISA12.12.01 / UL1604	-	-	-	-
IEC61850-3 / IEEE1613	-	-	-	-
EN50121-4	-	-	-	-
UL60950	-	-	-	-

Switches



IES-0882	IES-0883	IES-0910	IES-0920	IES-1020
4 x 802.3at + 4 FE + 2 GE Combo Managed Switch -40 to 75°C, Desktop	6 GE + 2 SFP Managed Switch -20 to 60°C, DIN-rail	8 FE + 1 MM SC Unmanaged Switch -20 to 60°C, DIN-rail	8 FE + 1 MM SC Unmanaged Switch -40 to 75°C, DIN-rail	8 x 802.3at + 2GE SFP Combo Unmanaged Switch -40 to 75°C
6	-	8	8	16
2	6	-	-	2
-	-	1	1	-
-	-	-	-	-
-	-	-	-	-
2	2	-	-	2
4 (30W)	-	-	-	8 (30W)
V	V	-	-	-
-	V	V	V	V
8192	4096	2048	2048	4096
2M	1M	768K	768K	2.25M
metal	aluminum	aluminum	aluminum	metal
DESKTOP	DIN-Rail	DIN-Rail	DIN-Rail	Rack Mount
200x134x50	65x125x145	50x135x125	50x110x145	442x44.2x205
1	3	2	3	2
-	-	-	-	-
48 - 55VDC	12 - 32VDC	12 - 30VDC	12 - 48VDC	47 - 57VDC
-	12VDC	12VDC	12VDC	-
-	V	(-20°C to 60°C)	-	-
V	-	-	V	V
V	V	-	-	-
V	V	-	-	-
VLAN, QoS, IGMP, GMRP, Bandwidth Rate Control, Port Trunking, Port Mirroring, Packet Filtering, IEEE802.1x Security, DHCP Server/Client, SNMP (v1, v2c, v3), RMON, Web Management, Telnet Management, RS-232 Console Management		-	-	-
V	V	V	V	V
-	V	-	-	-
-	-	-	V	-
-	-	-	-	-
-	-	-	-	-
-	-	V	V	-

Switches



Models	IES-1070	IES-1071	IES-1080	IES-1081
Name	8 FE + 2 GE TX Managed Switch -10 to 60°C, DIN-rail	8 FE + 2 GE SFP Managed Switch -10 to 60°C, DIN-rail	8 FE + 2 GE TX Managed Switch -40 to 75°C, DIN-rail	8 FE + 2 GE SFP Managed Switch -40 to 75°C, DIN-rail
Interface				
Max. 10/100 BASE-TX	8	8	8	8
Max. 10/100/1000 BASE-T	2	-	2	-
Max. 100 BASE-FX	-	-	-	-
Max. 100 BASE-SFP	-	-	-	-
Max. 1000 BASE - SX/LX/BX	-	--	-	-
Max. 1000 BASE - SFP	-	2	-	2
PoE Ports	-	-	-	-
RS-232 Console Port	V	V	V	V
Alarm Contact	V	V	V	V
Performance				
MAC Address Table Size	8192	8192	8192	8192
Packet Buffer Memory (bits)	2M	2M	2M	2M
Mechanical				
Casing	metal	metal	aluminum	aluminum
Installation	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail
Dimensions (WxHxD)	54x125x145	54x125x145	60x125x145	60x125x145
Power Input				
No. of Power Input	3	3	3	3
110 - 240VAC	-	-	-	-
Terminal Block	12 - 48VDC	12 - 48VDC	12 - 48VDC	12 - 48VDC
DC Jack	12VDC	12VDC	12VDC	12VDC
Operating Temperature				
-10°C to 60°C	V	V	-	-
-40°C to 75°C	-	-	V	V
Network Redundancy				
Ring Protocol	V	V	V	V
STP / RSTP / MSTP	V	V	V	V
Network Management & Control	VLAN, QoS, IGMP, GMRP, Bandwidth Rate Control, Port Trunking, Port Mirroring, Packet Filtering, IEEE802.1x Security, DHCP Server/Client, SNMP (v1, v2c, v3), RMON, Web Management, Telnet Management, RS-232 Console Management			
Regulatory Approvals				
CE / FCC	V	V	V	V
UL508	-	-	-	-
ISA12.12.01 / UL1604	-	-	-	-
IEC61850-3 / IEEE1613	-	-	-	-
EN50121-4	V	V	V	V
UL60950	-	-	-	-

Switches



IES-1082	IES-1083	IES-1084	IES-1085	IES-1090
8 x 802.3af + 2 GE TX Managed Switch -40 to 75°C, DIN-rail	8 x 802.3af + 2 GE SFP Managed Switch -40 to 75°C, DIN-rail	4 x 802.3af + 4 x 802.3at + 2 GE TX Managed Switch -40 to 75°C, DIN-rail	4 x 802.3af + 4 x 802.3at + 2 GE SFP Managed Switch -40 to 75°C, DIN-rail	8 FE + 2 GE Combo SFP Managed Switch -40 to 75°C, DIN-rail, IEC61850
8	8	8	8	8
2	-	2	-	2
-	-	-	-	-
-	-	-	-	-
-	2	-	2	2
8 (15.4W)	8 (15.4W)	4 (30W) + 4 (15.4W)	4 (30W) + 4 (15.4W)	-
V	V	V	V	V
V	V	V	V	V
8192	8192	8192	8192	8192
2M	2M	2M	2M	2M
aluminum	aluminum	aluminum	aluminum	aluminum
DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail
71.4x140x170	71.4x140x170	71.4x140x170	71.4x140x170	84x125x145
3	3	3	3	3
-	-	-	-	-
48VDC	48VDC	48VDC	48VDC	12 - 48VDC
48VDC	48VDC	48VDC	48VDC	12VDC
-	-	-	-	-
V	V	V	V	V
V	V	V	V	V
V	V	V	V	V
VLAN, QoS, IGMP, GMRP, Bandwidth Rate Control, Port Trunking, Port Mirroring, Packet Filtering, IEEE802.1x Security, DHCP Server/Client, SNMP (v1, v2c, v3), RMON, Web Management, Telnet Management, RS-232 Console Management				
V	V	V	V	V
V	V	V	V	-
-	-	-	-	-
-	-	-	-	V
-	-	-	-	V
-	-	-	-	-

Switches



Models	IES-1420	IES-1820	IES-1610	IES-1611
Name	12 x 802.3at + 2GE SFP Combo Unmanaged Switch -40 to 75°C	16 x 802.3at + 2GE SFP Combo Unmanaged Switch -40 to 75°C	16 FE Unmanaged Switch -10 to 60°C, DIN-rail	15 FE + 1 MM SC Unmanaged Switch -10 to 60°C, DIN-rail
Interface				
Max. 10/100 BASE-TX	12	16	16	15
Max. 10/100/1000 BASE-T	2	2	-	-
Max. 100 BASE-FX	-	-	-	1
Max. 100 BASE-SFP	-	-	-	-
Max. 1000 BASE - SX/LX/BX	-	-	-	-
Max. 1000 BASE - SFP	2	2	-	-
PoE Ports	16 (30W)	16 (30W)	-	-
RS-232 Console Port	-	-	-	-
Alarm Contact	V	V	V	V
Performance				
MAC Address Table Size	4096	4096	4096	4096
Packet Buffer Memory (bits)	2.25M	2.25M	1.625M	1.625M
Mechanical				
Casing	metal	metal	aluminum	aluminum
Installation	Rack Mount	Rack Mount	DIN-Rail	DIN-Rail
Dimensions (WxHxD)	442x44.2x205	442x44.2x205	69.5x110x135	69.5x110x135
Power Input				
No. of Power Input	2	2	3	3
110 - 240VAC	-	-	-	-
Terminal Block	47 - 57VDC	47 - 57VDC	12 - 48VDC	12 - 48VDC
DC Jack	-	-	12VDC	12VDC
Operating Temperature				
-10°C to 60°C	-	-	V	V
-40°C to 75°C	V	V	-	-
Network Redundancy				
Ring Protocol	-	-	-	-
STP / RSTP / MSTP	-	-	-	-
Network Management & Control				
	-	-	-	-
Regulatory Approvals				
CE / FCC	V	V	V	V
UL508	-	-	V	V
ISA12.12.01 / UL1604	-	-	-	-
IEC61850-3 / IEEE1613	-	-	-	-
EN50121-4	-	-	-	-
UL60950	-	-	V	V

Switches



IES-1620	IES-1621	IES-1870	IES-1880	IES-1881
16 FE Unmanaged Switch -40 to 75°C, DIN-rail	15 FE + 1 MM SC Unmanaged Switch -40 to 75°C, DIN-rail	16 FE + 2 GE Managed Switch -10 to 60°C, DIN-rail	16 FE + 2 GE Managed Switch -40 to 75°C, DIN-rail	16 x 802.3af + 2 GETX/1000LX Combo Managed Switch -40 to 75°C, Rackmount
16	15	16	16	16
-	-	2	2	2
-	1	-	-	-
-	-	-	-	-
-	-	-	-	2
-	-	-	-	-
-	-	-	-	16 (15.4W)
-	-	V	V	V
V	V	V	V	V
4096	4096	8192	8192	8192
1.625M	1.625M	2M	2M	2M
aluminum	aluminum	aluminum	aluminum	metal
DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail	Rack Mount
75.5x110x135	75.5x110x135	59x125x145	65x125x145	442x205x44
3	3	3	3	2
-	-	-	-	-
12 - 48VDC	12 - 48VDC	12 - 48VDC	12 - 48VDC	48VDC
12VDC	12VDC	12VDC	12VDC	-
-	-	V	-	-
V	V	-	V	V
-	-	V	V	V
-	-	V	V	V
-	-	VLAN, QoS, IGMP, GMRP, Bandwidth Rate Control, Port Trunking, Port Mirroring, Packet Filtering, IEEE802.1x Security, DHCP Server/Client, SNMP (v1, v2c, v3), RMON, Web Management, Telnet Management, RS-232 Console Management		
V	V	V	V	V
V	V	-	V	V
-	-	-	V	-
-	-	-	-	-
-	-	-	-	-
V	V	-	-	-

Switches



Models	IES-1890	IES-2880	IES-2881	IES-2890
Name	16 FE + 2 GE Combo SFP Managed Switch -40 to 75°C, DIN-rail, IEC61850	24 FE + 4 GE Combo SFP Managed Switch -40 to 75°C	24 100FX SFP + 4 GE Combo SFP Managed Switch -40 to 75°C	24 FE + 4 GE Combo SFP Managed Switch -40 to 75°C, IEC61850
Interface				
Max. 10/100 BASE-TX	16	24	-	24
Max. 10/100/1000 BASE-T	2	4	4	4
Max. 100 BASE-FX	-	-	-	-
Max. 100 BASE-SFP	-	-	24	-
Max. 1000 BASE - SX/LX/BX	-	-	-	-
Max. 1000 BASE - SFP	2	4	4	4
PoE Ports	-	-	-	-
RS-232 Console Port	V	V	V	V
Alarm Contact	V	-	-	-
Performance				
MAC Address Table Size	8192	8192	8192	8192
Packet Buffer Memory (bits)	2M	3M	3M	3M
Mechanical				
Casing	aluminum	metal	metal	metal
Installation	DIN-Rail	Rack Mount	Rack Mount	Rack Mount
Dimensions (WxHxD)	84x125x145	Single Power: 442x250x44 Dual Power: 442x375x44	Single Power: 442x250x44 Dual Power: 442x375x44	Single Power: 442x250x44 Dual Power: 442x375x44
Power Input				
No. of Power Input	3	1	1	1
110 - 240VAC	-	V	V	V
Terminal Block	12 - 48VDC	-	-	-
DC Jack	12VDC	-	-	-
Operating Temperature				
-10°C to 60°C	-	-	-	-
-40°C to 75°C	V	V	V	V
Network Redundancy				
Ring Protocol	V	V	V	V
STP / RSTP / MSTP	V	V	V	V
Network Management & Control				
	-	-	-	-
Regulatory Approvals				
CE / FCC	V	V	V	V
UL508	-	-	-	-
ISA12.12.01 / UL1604	-	-	-	-
IEC61850-3 / IEEE1613	V	V	V	V
EN50121-4	V	V	V	V
UL60950	-	-	-	-

Switches



IES-2891	
24 100FX SFP + 4 GE Combo SFP	
Managed Switch -40 to 75°C, IEC61850	
-	
4	
-	
24	
-	
4	
-	
V	
-	
8192	
3M	
metal	
Rack Mount	
Single Power: 442x250x44	
Dual Power: 442x375x44	
1	
V	
-	
-	
-	
V	
V	
V	
-	
V	
-	
-	
V	
V	
-	



Models	IES-2892
Name	Modularized 24 10/100 + 4 GE Combo SFP Managed Switch -40 to 75°C, IEC61850
Interface	
Max. 10/100 BASE-TX	24
Max. 10/100/1000 BASE-T	4
Max. 100 BASE-FX	18
Max. 100 BASE-SFP	4
Max. 1000 BASE - SX/LX/BX	4
Max. 1000 BASE - SFP	4
PoE Ports	-
RS-232 Console Port	V
Alarm Contact	V
Performance	
MAC Address Table Size	8192
Packet Buffer Memory (bits)	3M
Mechanical	
Casing	metal
Installation	Rack Mount
Dimensions (WxHxD)	Single Power: 442x343x44
Power Input	
No. of Power Input	1
110 - 240VAC	V
Terminal Block	±48VDC, 88 - 370VDC (optional)
DC Jack	-
Operating Temperature	
-10°C to 60°C	-
-40°C to 75°C	V
Network Redundancy	
Ring Protocol	V
STP / RSTP / MSTP	V
Network Management & Control	
	VLAN, QoS, IGMP, GMRP, Bandwidth Rate Control, Port Trunking, Port Mirroring, Packet Filtering, IEEE802.1x Security, DHCP Server/Client, SNMP (v1, v2c, v3), RMON, Web Management, Telnet Management, RS-232 Console Management
Regulatory Approvals	
CE / FCC	V
UL508	-
ISA12.12.01 / UL1604	-
IEC61850-3 / IEC61850-3	V
EN50121-4	V
UL60950	-
Accessories	MDU-2892FX: 6 MMF SC 2Km Module for IES-2892 Slot 1/2/3 MDU-2892S: 4 1000Base SFP Combo Module for IES-2892 Slot 4 MDU-2892T: 8 10/100Base TX Module for IES-2892 Slot 1/2/3

* IES-2892 is chassis only.



SFP-2100
125M MMF SFP Transceiver



SFP-2200
125M MMF SFP Transceiver



SFP-2230
125M SMF SFP Transceiver



SFP-2260
125M SMF SFP Transceiver



SFP-2280
125M SMF SFP Transceiver



SFP-2300
125M SMF SFP Transceiver

Transceiver Comparison						
Model	SFP-2100	SFP-2200	SFP-2230	SFP-2260	SFP-2280	SFP-2300
Single/Multi-Mode	MMF	MMF	SMF	SMF	SMF	SMF
Date Rate	125Mbps	125Mbps	125Mbps	125Mbps	125Mbps	125Mbps
Wavelength	850nm	1310nm	1310nm	1310nm	1310nm	1550nm
Transmission Range	2km (50/125 μ m)	2km (50/125 μ m)	30km (9/125 μ m)	60km (9/125 μ m)	80km (9/125 μ m)	20km (9/125 μ m)
Connector	Duplex LC	Duplex LC	Duplex LC	Duplex LC	Duplex LC	Duplex LC
Temperture	-20~85C	-40~85C	-40~85C	-40~85C	-40~85C	-40~85C



SFP-2310
125M SMF SFP Transceiver



SFP-2320
125M SMF SFP Transceiver



SFP-4200
1.25G MMF SFP Transceiver



SFP-4210
1.25G SMF SFP Transceiver



SFP-4240
1.25G SMF SFP Transceiver



SFP-4270
1.25G SMF SFP Transceiver

Transceiver Comparison						
Model	SFP-2310	SFP-2320	SFP-4200	SFP-4210	SFP-4240	SFP-4270
Single/Multi-Mode	SMF	SMF	MMF	SMF	SMF	SMF
Date Rate	125Mbps	125Mbps	1.25Gbps	1.25Gbps	1.25Gbps	1.25Gbps
Wavelength	1550nm	1550nm	850nm	1310nm	1310nm	1550nm
Transmission Range	100km (9/125 μ m)	120km (9/125 μ m)	550m (50/125 μ m)	10km (9/125 μ m)	40km (9/125 μ m)	70km (9/125 μ m)
Connector	Duplex LC	Duplex LC	Duplex LC	Duplex LC	Duplex LC	Duplex LC
Temperture	-40~85C	-40~85C	-20~85C	-40~85C	-40~85C	-40~85C



SFP-4310
1.25G BIDI SMF SFP Transceiver



SFP-4320
1.25G BIDI SMF SFP Transceiver



SFP-4330
1.25G BIDI SMF SFP Transceiver



SFP-4340
1.25G BIDI SMF SFP Transceiver



SFP-4350
1.25G BIDI SMF SFP Transceiver



SFP-4360
1.25G BIDI SMF SFP Transceiver

Transceiver Comparison						
Model	SFP-4310	SFP-4320	SFP-4330	SFP-4340	SFP-4350	SFP-4360
Single/Multi-Mode	SMF	SMF	SMF	SMF	SMF	SMF
Date Rate	1.25Gbps	1.25Gbps	1.25Gbps	1.25Gbps	1.25Gbps	1.25Gbps
Wavelength	T1310nm/R1550nm	T1550nm/R1310nm	T1310nm/R1550nm	T1550nm/R1310nm	T1310nm/R1550nm	T1550nm/R1310nm
Transmission Range	10km (9/125μm)	10km (9/125μm)	20km (9/125μm)	20km (9/125μm)	40km (9/125μm)	40km (9/125μm)
Connector	Simplex LC	Simplex LC	Simplex LC	Simplex LC	Simplex LC	Simplex LC
Temperture	-40~85C	-40~85C	-40~85C	-40~85C	-40~85C	-40~85C



SFP-4370
1.25G BIDI SMF SFP Transceiver



SFP-4380
1.25G BIDI SMF SFP Transceiver

Transceiver Comparison		
Model	SFP-4370	SFP-4380
Single/Multi-Mode	SMF	SMF
Date Rate	1.25Gbps	1.25Gbps
Wavelength	T1310nm/R1550nm	T1550nm/R1310nm
Transmission Range	60km (9/125μm)	60km (9/125μm)
Connector	Simplex LC	Simplex LC
Temperture	-40~85C	-40~85C



Models	POW-1210	POW-1211	POW-1212	POW-1220
Name	36W 12VDC Industrial Power Adapter, DC Plug -40 to 75°C	36W 12VDC Industrial Power Adapter, DC Jack -40 to 75°C	36W 12VDC Industrial Power Adapter, Open -40 to 75°C	36W 12VDC Industrial Power Adapter, Aluminum Case DC Plug -40 to 75°C
Output				
DC Voltage	12VDC	12VDC	12VDC	12VDC
Current Range	0-3A	0-3A	0-3A	0-3A
Rated Power	36W	36W	36W	36W
Input				
90 - 264VAC	V	V	V	V
Mechanical				
Casing	plastic	plastic	plastic	aluminum
Installation*	-	-	-	W
Operating Temperature				
0°C to 55°C	-	-	-	-
-40°C to 75°C	V	V	V	V
Output Connector				
DC Jack with latch	-	V	-	-
Open Wire for Terminal Block	-	-	V	-
DC Plug	V	-	-	V

* D: DIN-Rail Mounting, P: Panel Mounting, R: Rack Mounting, W: Wall Mounting



Models	POW-1221	POW-1222
Name	36W 12VDC Industrial Power Adapter, Aluminum Case DC Jack -40 to 75°C	36W 12VDC Industrial Power Adapter, Aluminum Case Open -40 to 75°C
Output		
DC Voltage	12VDC	12VDC
Current Range	0-3A	0-3A
Rated Power	36W	36W
Input		
90 - 264VAC	V	V
Mechanical		
Casing	aluminum	aluminum
Installation*	W	W
Operating Temperature		
0°C to 55°C	-	-
-40°C to 75°C	V	V
Output Connector		
DC Jack with latch	V	-
Open Wire for Terminal Block	-	V
DC Plug	-	-

* D: DIN-Rail Mounting, P: Panel Mounting, R: Rack Mounting, W: Wall Mounting



Models	POW-2410	POW-2420	POW-2430	POW-2440
Name	30W 24VDC Industrial Power Supply, DIN-rail -20 to 60°C	60W 24VDC Industrial Power Supply, DIN-rail -20 to 60°C	75W 24VDC Industrial Power Supply, DIN-rail -10 to 60°C	120W 24VDC Industrial Power Supply, DIN-rail -10 to 60°C
Output				
DC Voltage	24VDC	24VDC	24VDC	24VDC
Current Range	0-1.5A	0-2.5A	0-3A	0-5A
Rated Power	36W	60W	76.8W	120W
Input				
12 - 36VDC	-	-	-	-
85 - 264VAC / 120 - 370VDC	V	V	V	-
88 - 132VAC / 176 - 264VDC	-	-	-	V
90 - 264VAC	-	-	-	-
Protection				
Over Voltage Protection	27.6-32.4V	27.6-32.4V	29-34V	29-33V
Overload Protection	105-160%	105-160%	105-150%	105-150%
Constant Current Limiting	V	V	-	V
Mechanical				
Casing	plastic	plastic	aluminum	aluminum
Installation*	D	D	D	D
Dimensions (WxHxD)	78x56x93	78x56x93	55.5x100x125.2	65.5x100x125.2
Operating Temperature				
-10°C to 60°C	-	-	V	V
-20°C to 60°C	V	V	-	-
-20°C to 75°C	-	-	-	-
-40°C to 75°C	-	-	-	-
Regulatory Approvals				
CE / FCC	V	V	V	V
UL60950-1	V	V	-	-
UL508	-	-	V	V
E Mark	-	-	-	-

* D: DIN-Rail Mounting, P: Panel Mounting, R: Rack Mounting, W: Wall Mounting



Models	POW-4810	POW-4820	POW-4830	POW-4840
Name	40W 48VDC Industrial Power Supply, PoE Ready DIN-rail -10 to 60°C	75W 48VDC Industrial Power Supply, PoE Ready DIN-rail -10 to 60°C	85W 48VDC Industrial Power Supply, PoE Ready DIN-rail -10 to 60°C (DC to DC)	120W 48VDC Industrial Power Supply, PoE Ready DIN-rail -10 to 60°C
Output				
DC Voltage	48-56VDC	48-53VDC	48VDC	48-53VDC
Current Range	0-0.83A	0-1.6A	0-1.78A	0-2.5A
Rated Power	39.8W	76.8W	85W	120W
Input				
12 - 36VDC	-	-	V	-
85 - 264VAC / 120 - 370VDC	V	V	-	-
88 - 264VAC / 120 - 370VDC	-	-	-	-
88 - 132VAC / 176 - 264VDC	-	-	-	V
Protection				
Over Voltage Protection	57.6-64.8V	58-65V	58V	58-65V
Overload Protection	105-150%	105-150%	110-160%	105-150%
Constant Current Limiting	V	V	-	V
Mechanical				
Casing	plastic	aluminum	aluminum	aluminum
Installation*	D	D	D, P	D
Dimensions (WxHxD)	40x90x100	55.5x100x125.2	50x148x165	65.5x100x125.2
Operating Temperature				
-10°C to 60°C	-	V	V	V
-20°C to 60°C	V	-	-	-
-20°C to 75°C	-	-	-	-
-40°C to 75°C	-	-	-	-
Regulatory Approvals				
CE / FCC	V	V	V	V
UL60950-1	V	-	V	V
UL508	V	V	-	V
E Mark	-	-	V	-

* D: DIN-Rail Mounting, P: Panel Mounting, R: Rack Mounting, W: Wall Mounting



Models	POW-4850	POW-4860	POW-5510
Name	240W 48VDC Industrial Power Supply, PoE Ready DIN-rail -10 to 60°C	480W 48VDC Industrial Power Supply, PoE Ready DIN-rail -10 to 60°C	85W 55VDC Industrial Power Supply, DIN-rail -10 to 60°C (DC to DC)
Output			
DC Voltage	48-55VDC	48-55VDC	55VDC
Current Range	5A	10A	0-1.55A
Rated Power	240W	480W	85W
Input			
12 - 36VDC	-	-	V
85 - 264VAC / 120 - 370VDC	-	-	-
88 - 264VAC / 120 - 370VDC	V	V	-
88 - 132VAC / 176 - 264VDC	-	-	-
Protection			
Over Voltage Protection	56-65V	56-65V	60V
Overload Protection	110-150%	110-150%	110-180%
Constant Current Limiting	V	V	-
Mechanical			
Casing	aluminum	aluminum	aluminum
Installation*	D	D	D, P
Dimensions (WxHxD)	63x113.5x125.2	85x124x125.2	50x148x165
Operating Temperature			
-10°C to 60°C	-	-	V
-20°C to 60°C	-	-	-
-20°C to 75°C	V	V	-
-40°C to 75°C	-	-	-
Regulatory Approvals			
CE / FCC	V	V	V
UL60950-1	V	V	V
UL508	V	V	-
E Mark	-	-	-

* D: DIN-Rail Mounting, P: Panel Mounting, R: Rack Mounting, W: Wall Mounting

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FEP-1611	16-Port Fast Ethernet PoE-Plus Switch, 240W	20
FEP-1612	16-Port Fast Ethernet PoE-Plus Switch, 480W	20

FEU-0510	5-Port Fast Ethernet Switch	23	VVT-2201	10/100BASE-TX-zu-100BASE-FX-SMF-SC-Konverter, 20km	30
FEU-0511	4 Port Fast Ethernet Switch + 1 MMF SC	23	VVT-2401	10/100BASE-TX-zu-100BASE-FX-SMF-SC-Konverter, 40km	30
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FNC-0104FX	100BASE-FX Multi-Mode Glasfaser Optik PCI Karte (SC)	39	VVT-6301	10/100BASE-TX auf 100BASE-FX Single-Mode Fiber Konverter (mit TS-1000 Unterstützung)	30
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FSW-0503	4 FE PoE + 1 FE Switch, 61.6W	19	GEP-0820	8-Port Gigabit PoE-Plus Switch, 61.6W	19
FSW-0508TX	5-Port Fast Ethernet Switch	2	GEP-0821	8-Port Gigabit PoE-Plus Switch, 123.2W	20
FSW-0511	5-Port Fast Ethernet Switch	2	GEP-0822	8-Port Gigabit PoE-Plus Switch, 240W	20
FSW-0512	5-Port Fast Ethernet PoE PD Switch	19	GEP-0950	8 GE PoE-Plus + 1 GE SFP-Web-Smart-Switch 130W	21
FSW-0513	4-Port Fast Ethernet High-Power PoE Switch, 120W	19	GEP-1020	8 GE PoE-Plus + 2 GE SFP Switch, 150W	20
FSW-0808TX	8-Port Fast Ethernet Switch	2	GEP-1021	8 GE PoE-Plus + 2 GE SFP Switch, 250W	20
FSW-0811	8-Port Fast Ethernet Switch	2	GEP-1621	16-Port Gigabit PoE-Plus Switch, 240W	20
FSW-0812	8-Port Fast Ethernet PoE PD Switch	19	GEP-1622	16-Port Gigabit PoE-Plus Switch, 480W	20
FSW-1650	16-Port Fast Ethernet Switch	24	GEP-2450	20 GE PoE-Plus + 4 GE-Kombi-SFP-Web-Smart-Switch, 185W	21
FSW-1671	8 FE PoE + 8 FE Web Smart Switch, 123.2W	21	GEP-2671	20 GE PoE-Plus + 4 GE PoE-Plus Combo SFP + 2 GE SFP L2 Managed Switch, 185W	21
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FVS-3200	10/100BASE-TX auf 100BASE-FX MMF SC Konverter	29	GES-0852	7 GE + 1 GE-Kombi-SFP-Web-Smart-Switch	26
FVS-3800	10/100BASE-TX auf 100BASE-X SFP Konverter	29	GES-1650	16 GE + 4 GE SFP Web Smart Switch	27
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FVT-0104TXFC	10/100BASE-TX auf 100BASE-FX Single-Mode SC Fiber Konverter (mit PoE)	30	GES-1652	16 GE + 2 GE SFP Web Smart Switch	26
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GNS-4001	4-Bay Gigabit-Netzwerkspeicher-----	10	HVE-9005R	HDMI over Cat.5 Extender Kit -----	72
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GSW-2457	24-Port-Gigabit-Switch -----	25	IEC-1040	10/100 Industrial Media Converter, SC SM 40KM -40 to 75C -----	78
GSW-2473	24 FE + 2 GE-Kombi-SFP-Web-Smart-Switch -----	27	IEC-1100	10/100 Industrial Media Converter, SC MM 2KM -10 to 60C -----	78
GSW-4876	44 GE + 4 GE-Kombi-SFP-Web-Smart-Switch -----	28	IEC-1120	10/100 Industrial Media Converter, SC SM 20KM, -10 to 60C -----	79
GSW-5150	48 FE + 2 GE + 1 GE SFP Switch-----	25	IEC-1140	10/100 Industrial Media Converter, SC SM 40KM, -10 to 60C -----	79
GTL-2691	20 GE + 4 GE Kombi-SFP + 2 10-G-Steckplätze, L3-verwalteter stapelbarer Switch-----	27	IEC-1200	10/100 Industrial Media Converter w/ 15.4W PoE PSE, SC MM 2KM -10 to 60C -----	79
GTL-2880	20 GE + 4 GE-Kombi-SFP + 4 10GE SFP-Plus L2-Plus Managed Switch-----	28	IEC-1220	10/100 Industrial Media Converter w/ 15.4W PoE PSE, SC SM 20KM -10 to 60C -----	79
GTL-5280	44 GE + 4 GE-Kombi-SFP + 4 10GE SFP-Plus L2-Plus Managed Switch-----	28	IEC-1240	10/100 Industrial Media Converter w/ 15.4W PoE PSE, SC SM 40KM -10 to 60C -----	79
GTP-2880	20 GE PoE + 4 GE Combo SFP + 4 10GE SFP-Plus L2-Plus Managed Switch, 185W -----	22	IEC-1300	10/100 Industrial Media Converter w/ 30W PoE PSE, SC MM 2KM -10 to 60C -----	80
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GVS-3200	10/100/1000BASE-T auf 1000BASE-SX MMF SC Konverter-----	29	IEC-1340	10/100 Industrial Media Converter w/ 30W PoE PSE, SC SM 40KM -10 to 60C -----	80
GVS-3800	10/100/1000BASE-T auf 1000BASE-X SFP Konverter-----	29	IEC-1400	10/100 Industrial Media Converter w/ PoE PD, SC MM 2KM -10 to 60C -----	80
GVT-0300	1.25G Multi-Mode SFP Transceiver (bis zu 550m)-----	34	IEC-1420	10/100 Industrial Media Converter w/ PoE PD, SC SM 20KM -10 to 60C -----	81
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IEC-1840	10/100 Industrial Media Converter, SC SM 40KM, -40 to 75C IEC61850-----	81	IES-0841	4 x 802.3af + 3 FE + 1 MM SC Web Smart Switch -10 to 60C, DIN-rail-----	89
IEC-2000	10/100/1000 Industrial Media Converter, SFP -40 to 75C-----	82	IES-0842	4 x 802.3at + 4 FE Web Smart Switch -10 to 60C, DIN-rail-----	89
IEC-2001	10/100/1000 Industrial Media Converter, SC MM 550M, -40 to 75C-----	82	IES-0843	4 x 802.3at + 3 FE + 1 MM SC Web Smart Switch -10 to 60C, DIN-rail-----	89
IEC-2002	10/100/1000 Industrial Media Converter, SC MM 2KM, -40 to 75C-----	82	IES-0850	4 x 802.3af + 4 FE Web Smart Switch -40 to 75C, DIN-rail-----	89
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IED-1010	1-Port RS-232/422/485 Industrial Serial Device Server, 1-FX SC MM 2KM-----	83	IES-0852	4 x 802.3at + 4 FE Web Smart Switch -40 to 75C, DIN-rail-----	90
IED-1020	1-Port RS-232/422/485 Industrial Serial Device Server, 1-FX SC SM 20KM-----	83	IES-0853	4 x 802.3at + 3 FE + 1 MM SC Web Smart Switch -40 to 75C, DIN-rail-----	90
IED-2000	2-Port RS-232/422/485 Industrial Serial Device Server, 2-TX-----	83	IES-0880	8 GE Managed Switch -20 to 60C, DIN-rail-----	90
IED-2010	2-Port RS-232/422/485 Industrial Serial Device Server, 1-TX, 1-FX SC MM 2KM-----	84	IES-0881	4 x 802.3af + 4 FE + 2 GE Combo Managed Switch -40 to 75C, Desktop-----	90
IED-2020	2-Port RS-232/422/485 Industrial Serial Device Server, 1-TX, 1-FX SC SM 20KM-----	84	IES-0882	4 x 802.3at + 4 FE + 2 GE Combo Managed Switch -40 to 75C, Desktop-----	91
IED-4000	4-Port RS-232/422/485 Industrial Serial Device Server, 2-TX-----	84	IES-0883	6 GE + 2 SFP Managed Switch -20 to 60C, DIN-rail-----	91
IED-4010	4-Port RS-232/422/485 Industrial Serial Device Server, 1-TX, 1-FX SC MM 2KM-----	84	IES-0910	8 FE + 1 MM SC Unmanaged Switch -20 to 60, DIN-rail-----	91
IED-4020	4-Port RS-232/422/485 Industrial Serial Device Server, 1-TX, 1-FX SC SM 20KM-----	84	IES-0920	8 FE + 1 MM SC Unmanaged Switch -40 to 75, DIN-rail-----	91
IES-0500	5 FE Unmanaged Switch -10 to 60, DIN-rail-----	85	IES-1020	8 x 802.3at + 2GE SFP Combo Unmanaged Switch -40 to 75C-----	91
IES-0510	4 FE + 1 MM SC Unmanaged Switch -10 to 60, DIN-rail-----	85	IES-1070	8 FE + 2 GE TX Managed Switch -10 to 60C, DIN-rail-----	92
IES-0511	4 x 802.3af + 1 FE Unmanaged Switch -10 to 60C, Desktop-----	85	IES-1071	8 FE + 2 GE SFP Managed Switch -10 to 60C, DIN-rail-----	92
IES-0512	4 x 802.3af + 1 MM SC Unmanaged Switch -10 to 60C, Desktop-----	85	IES-1080	8 FE + 2 GE TX Managed Switch -40 to 75C, DIN-rail-----	92
IES-0520	4 FE + 1 MM SC Unmanaged Switch -40 to 75, DIN-rail-----	86	IES-1081	8 FE + 2 GE SFP Managed Switch -40 to 75C, DIN-rail-----	92
IES-0820	8 FE Unmanaged Switch -40 to 75, DIN-rail-----	86	IES-1082	8 x 802.3af + 2 GE TX Managed Switch -40 to 75C, DIN-rail-----	93
IES-0521	4 x 802.3af + 1 FE Unmanaged Switch -40 to 75C, Desktop-----	86	IES-1083	8 x 802.3af + 2 GE SFP Managed Switch -40 to 75C, DIN-rail-----	93
IES-0522	4 x 802.3af + 1 MM SC Unmanaged Switch -40 to 75C, Desktop-----	86	IES-1084	4 x 802.3af + 4 x 802.3at + 2 GETX Managed Switch -40 to 75C, DIN-rail-----	93
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IES-0823	6 GE + 2 SFP Unmanaged Switch -20 to 60C, DIN-rail-----	88	IES-1611	15 FE + 1 MM SC Unmanaged Switch -10 to 60, DIN-rail-----	94
IES-0830	8 FE Unmanaged Switch -40 to 75, DIN-rail-----	88	IES-1620	16 FE Unmanaged Switch -40 to 75, DIN-rail-----	95
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KVM-0222	2-Port USB KVM Switch -----	11	PLI-4052	500-Mb/s-Nano-Powerline-Adapter -----	9
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POW-4810	40W 48VDC Industrial Power Supply, PoE Ready DIN-rail -10 to 60C -----	102	SFP-4340	1.25G BIDI SMF SFP Transceiver (20km, T1550/R1310, -40 to 85C) -----	99
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