



Product Catalog

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Networking

Security

Digital Signage

Industrial

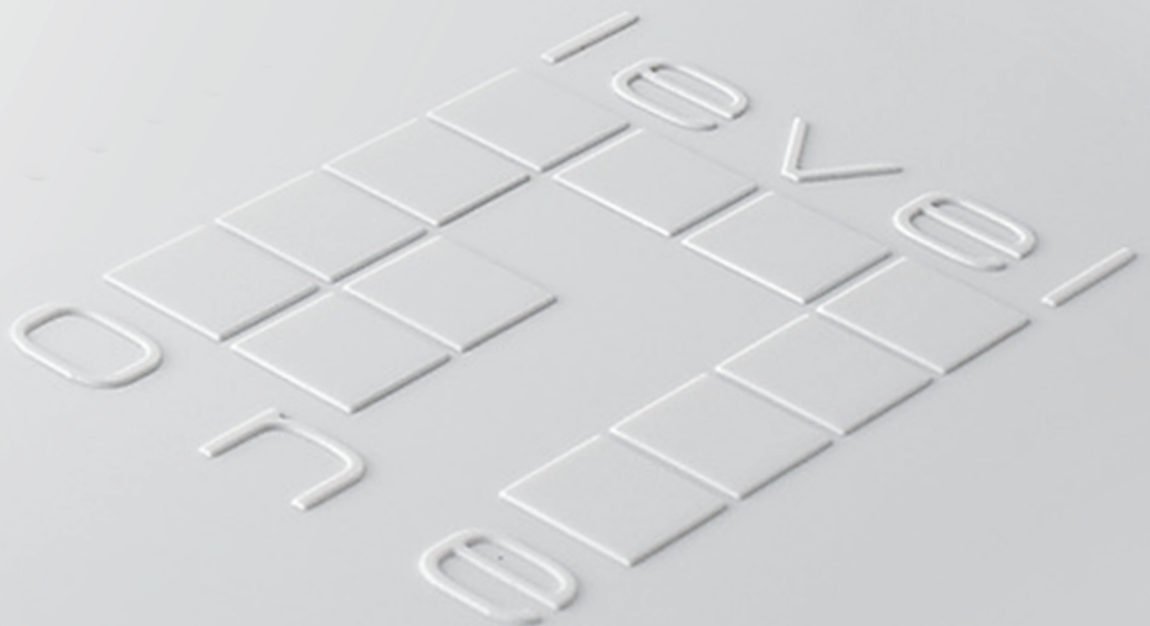


LevelOne was established in 1998 by Digital Data Communications GmbH, Dortmund, Germany. By providing quality networking products and solutions, we've grown steadily throughout the years with Branch Offices in 18 countries around the world.

The Internet has become a deeply integral part of both business and home life. Our years of experience have taught us that the only way to stay on top of the latest technology and trends is by listening carefully to what the customer says.

DDC was established in 1991 and is headquartered in Germany, and also maintains branches in Taiwan, Australia, Belgium, Brasil, Colombia, Denmark, Greece, Italy, Kenya, the Netherlands, Portugal, Slovenia, Spain, U.A.E. We are currently achieving year-on-year increase in turn-over. Our Production, Development, Distribution and Logistic Centers are growing in number and setting new quality standards throughout the world with powerful and recognizable brand names.

Please take a look through this catalog and if you have any question or inquiries you can contact us at **sales@level1.com**



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Business

Networking

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Digital Signage

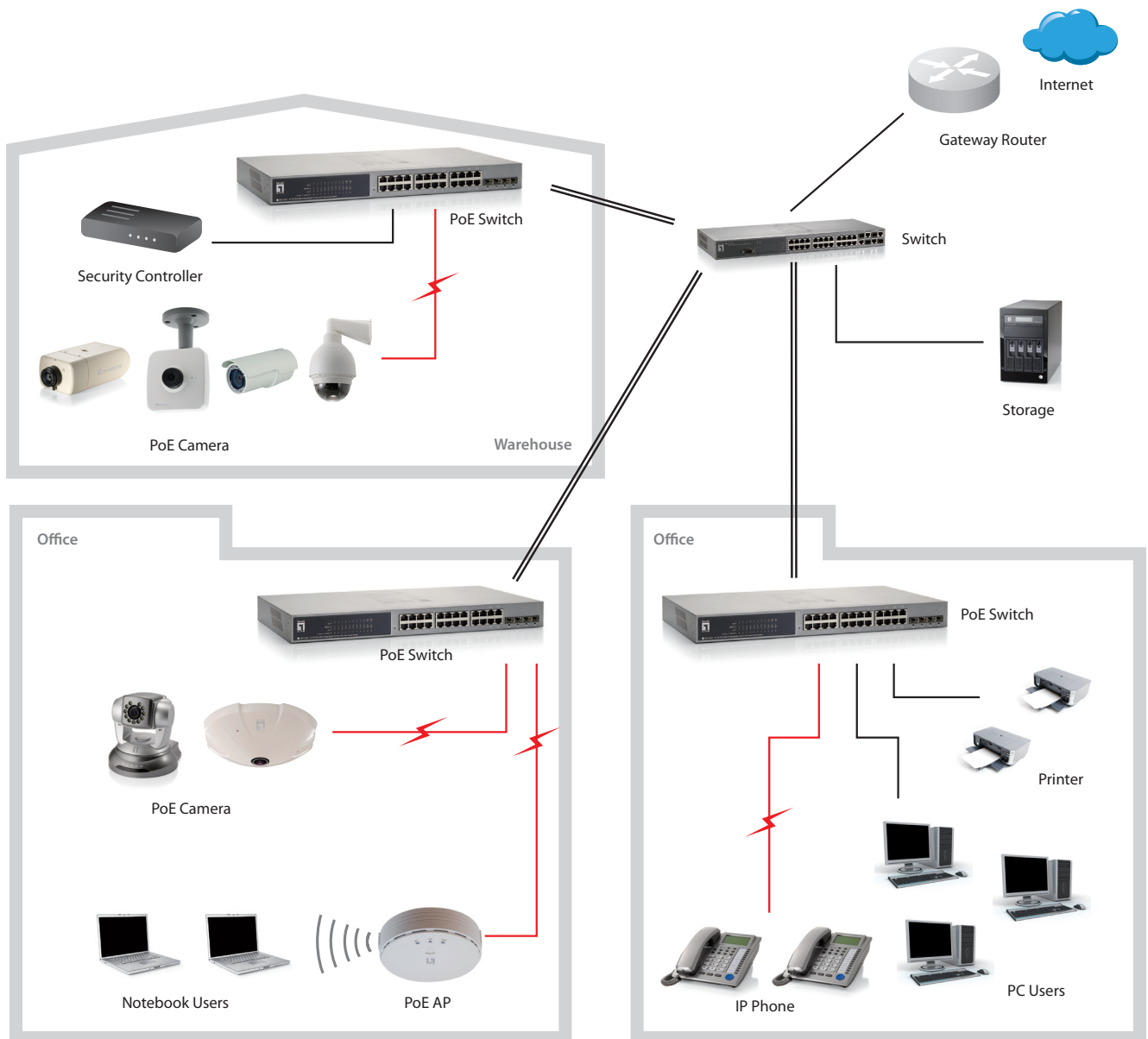
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PoE Switch can be seen as a combination of a non-PoE Switch and mid-span hub combined into one device. PoE switch can provide power directly to PoE Devices. For enterprise usage, Web Smart and SNMP L2 switches offer a Web-based User Interfaces to configure advanced settings such as VLAN, Port Trunking, Port Mirror, Quality of Service and more. Managed PoE switches, includes the capability to alert and help administrators by featuring auto-warning messages, to easily locate any problematic devices

Unmanaged PoE Ethernet Switch

- Supports IEEE 802.3x full-duplex / half-duplex backpressure flow control
- Provides Auto-MDI/MDIX function
- Supports auto-negotiation for speed and duplex modes for each port

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



Unmanaged PoE Ethernet Switch



FSW-0503/FSW-0503Z*
5-Port Fast Ethernet PoE Switch, 802.3af PoE, 4 PoE Outputs, 61.6W



FSW-0513/FSW-0513Z*
5-Port Fast Ethernet PoE Switch, 4 PoE Outputs, 120W



GEP-0520
5-Port Gigabit Ethernet PoE Switch, 61.6W, 802.3af PoE, 4 PoE Outputs



GEP-0520Z*
5-Port Gigabit Ethernet PoE Switch, 61.6W, 802.3af PoE, 4 PoE Outputs



GEP-0521
5-Port Gigabit Ethernet PoE Switch, 120W, 802.3af/at PoE Plus, 4 PoE Outputs



FSW-0512
5-Port Fast Ethernet PoE PD Switch

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

* FSW-0503Z/FSW-0513Z/GEP-0520Z: Power adapter not included



FEP-0800
8-Port Fast Ethernet PoE Switch, 85W



FEP-0812
8-Port Fast Ethernet PoE Switch, 4 Ports RJ45, 4 Ports RJ45 PoE Plus, 61.6W



FEP-0811
8-Port Fast Ethernet PoE Switch, 802.3at PoE Plus, 123.2W

NEW



GEP-0812
8-Port Gigabit Ethernet PoE Switch, 61.6W, 802.3af/at PoE Plus, 4 PoE Outputs



GEP-0820
8-Port Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 61.6W



GEP-0821
8-Port Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 123.2W

Unmanaged PoE Ethernet Switch Comparison						
Model	FEP-0800	FEP-0812	FEP-0811	GEP-0812	GEP-0820	GEP-0821
Ethernet Port	-	4 x 10/100Mbps	-	-	-	-
PoE Port	8 x 10/100Mbps	4 x 10/100Mbps	8 x 10/100Mbps	8 x 10/100/1000Mbps	8 x 10/100/1000Mbps	8 x 10/100/1000Mbps
Fiber Port	-	-	-	-	-	-
MAC Table	1K	1K	1K	8K	8K	8K
Buffer Memory	64KB	64KB	64KB	128KB	128KB	128KB
Jumbo Frame	-	-	9K	9K	9K	9K
PoE	IEEE 802.3 af/at	IEEE 802.3af/at	IEEE 802.3af/at	IEEE 802.3af/at	IEEE 802.3af/at	IEEE 802.3af/at
PoE Power Budget	85W	61.6W	123.2W	61.6W	61.6W	123.2W
Output Power Per Port	30W	30W	30W	30W	30W	30W
Power Supply	External	Internal	External	Internal	External	Internal
Green Technology	-	-	-	-	V	V
Optional Accessories	-	-	-	-	-	-

Unmanaged PoE Ethernet Switch



GEP-0822
8-Port Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 240W



FGP-1000
10-Port Fast Ethernet PoE Switch, 1 Port Gigabit, 1 Port Gigabit SFP, 120W, 9 PoE Outputs



GEP-1020
10-Port Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 2 Ports SFP, 8 PoE Outputs, 150W



GEP-1021
10-Port Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 2 Ports SFP, 8 PoE Outputs, 250W



FEP-1600
16-Port Fast Ethernet PoE Switch, 120W



FEP-1601
16-Port Fast Ethernet PoE Switch, 250W

Unmanaged PoE Ethernet Switch Comparison						
Model	GEP-0822	FGP-1000	GEP-1020	GEP-1021	FEP-1600	FEP-1601
Ethernet Port	-	-	-	-	-	-
PoE Port	8 x 10/100/100Mbps	1 x 10/100/1000Mbps	8 x 10/100/1000Mbps	8 x 10/100/1000Mbps	16 x 10/100Mbps	16 x 10/100Mbps
Fiber Port	-	8 x 10/100Mbps	-	-	-	-
Fiber Slot	-	1 x 100/1000BASE-X SFP	2 x 1000BASE-X SFP	2 x 1000BASE-X SFP	-	-
MAC Table	8K	4K	8K	8K	4K	4K
Buffer Memory	128KB	512KB	512KB	512KB	160KB	160KB
Jumbo Frame	9K	-	9K	9K	-	-
PoE	IEEE 802.3af/at	IEEE 802.3 af/at	IEEE 802.3af/at	IEEE 802.3af/at	IEEE 802.3 af/at	IEEE 802.3 af/at
PoE Power Budget	240W	115W	150W	250W	115W	240W
Output Power Per Port	30W	30W	30W	30W	30W	30W
Power Supply	Internal	External	Internal	Internal	External	Internal
Green Technology	V	-	V	V	-	-
Optional Accessories	-	-	-	-	-	-



FEP-1611
16-Port Fast Ethernet PoE Switch, 240W, 802.3af/at PoE Plus



FEP-1612
16-Port Fast Ethernet PoE Switch, 480W, 802.3af/at PoE Plus



GEP-1621
16-Port Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 240W



GEP-1622
16-Port Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 480W



FGP-2410
26-Port Fast Ethernet PoE Switch, 2 Ports Gigabit SFP/ RJ45 Combo, 802.3af/at PoE Plus, 24 PoE Outputs, 240W



FGP-2412
26-Port Fast Ethernet PoE Switch, 2 Ports Gigabit SFP/ RJ45 Combo, 802.3af/at PoE Plus, 24 PoE Outputs, 480W

Unmanaged PoE Ethernet Switch Comparison						
Model	FEP-1611	FEP-1612	GEP-1621	GEP-1622	FGP-2410	FGP-2412
Ethernet Port	-	-	-	-	2 x 10/100/1000Mbps	2 x 10/100/1000Mbps
PoE Port	16 x 10/100Mbps	16 x 10/100Mbps	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	4K	4K	8K	8K	4K	4K
Buffer Memory	160KB	160KB	256KB	256KB	352KB	352KB
Jumbo Frame	-	-	9K	9K	-	-
PoE	IEEE 802.3af/at	IEEE 802.3af/at	IEEE802.3af/at	IEEE802.3af/at	IEEE 802.3af/at	IEEE 802.3af/at
PoE Power Budget	240W	480W	240W	480W	240W	480W
Output Power Per Port	30W	30W	30W	30W	30W	30W
Power Supply	Internal	Internal	Internal	Internal	Internal	Internal
Green Technology	-	-	V	V	-	-
Optional Accessories	-	-	-	-	-	-

Managed PoE Ethernet Switch

- Supports IEEE 802.3x full-duplex / half-duplex backpressure flow control
- Provides Auto-MDI/MDIX function
- Supports auto-negotiation for speed and duplex modes for each port



GEP-0950
9-Port Web Smart Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 1 Port SFP, 130W, 8 PoE Outputs



FSW-1671
16-Port Web Smart Fast Ethernet PoE Switch, 802.3af PoE, 123.2W, 8 PoE Outputs



GEP-2450
24-Port Web Smart Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 24 PoE Outputs, 4 Ports SFP/RJ45 Combo, 185W



GEP-2671
26-Port L2 Managed Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 24 PoE Outputs, 4 Ports SFP/RJ45 Combo, 2 Ports SFP, 185W

Managed PoE Ethernet Switch Comparison				
Model	GEP-0950	FSW-1671	GEP-2450	GEP-2671
Ethernet Port	-	8 x 10/100Mbps	-	-
PoE Port	8 x 10/100/1000Mbps	8 x 10/100Mbps	24 x 10/100/1000Mbps	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
MAC Table	8K	4K	8K	8K
Buffer Memory	512KB	192KB	500KB	512KB
Jumbo Frame	9K	-	9K	9K
Port Trunking	4 Groups	4 Groups	8 Groups	25 Groups
Management	SNMP/ Web-Based	Web Based	SNMP/Web Based	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 (up to 4K VID)
IGMP Snooping	V1 / V2 / V3	V1/ V2	V1/ V2	-
Spanning Tree	-	-	-	IEEE 802.1d/802.1w
Stacking	-	-	-	** Single IP Management
PoE	IEE 802.3 af/at	IEEE 802.3af	IEEE 802.3af/at	IEEE 802.3af/at
PoE Power Budget	130W	123.2W	184.8W	185W
Power Supply	Internal	Internal	Internal	Internal
Output Power Per Port	30W	15.4W	30W	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)

Managed PoE Ethernet Switch



GEP-2672
26-Port L2 Managed Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 24 PoE Outputs, 4 Ports SFP/RJ45 Combo, 2 Ports SFP, 370W



GTP-2880
28-Port L2 Plus Managed Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 4 Ports SFP/RJ45 Combo, 4 Ports 10-Gigabit Ethernet SFP Plus, 185W, 24 PoE Outputs



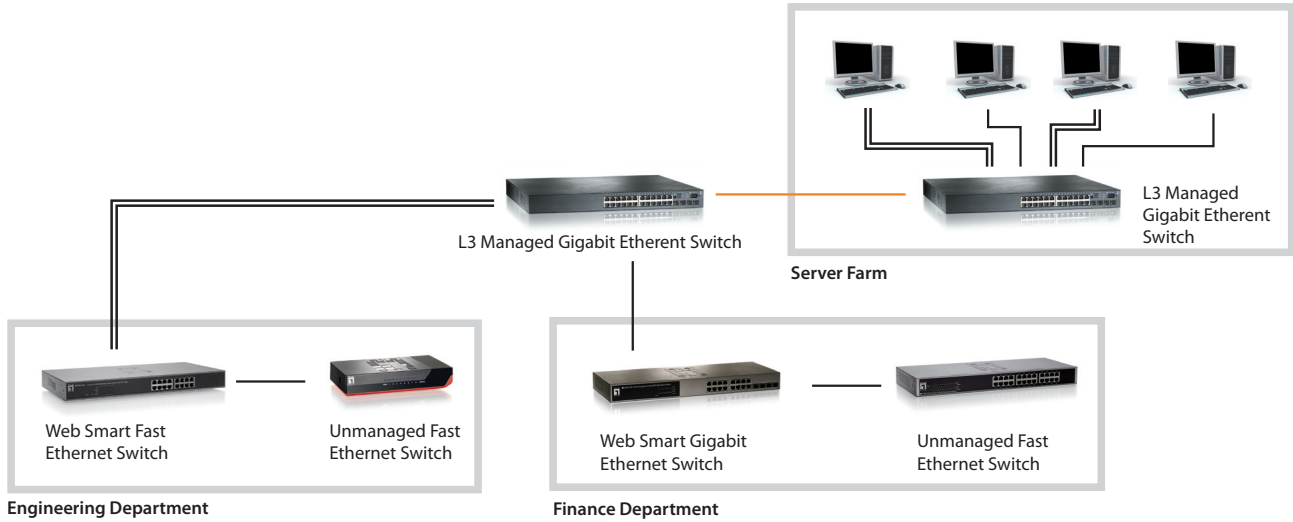
GEP-5070
50-Port L2 Managed Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 375W, 2 Ports SFP, 48 PoE Outputs

Managed PoE Ethernet Switch Comparison			
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	-

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

LevelOne offers a comprehensive selection of Ethernet switches. From unmanaged switches with simple Plug and Play installation, to L3 managed switches following the most advanced standards set by the IEEE, we provide the right switch for you

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



Unmanaged Non-PoE Ethernet Switch

- Supports IEEE 802.3x full-duplex / half-duplex backpressure flow control
- Provides Auto-MDI/MDIX function
- Supports auto-negotiation for speed and duplex modes for each port



FEU-0511
5-Port Fast Ethernet Switch, 1 Port SC Multi-Mode Fiber, 2km



GEU-0521
5-Port Gigabit Ethernet Switch, 1 Port SFP

Unmanaged Non-PoE Ethernet Switch Comparison		
Model	FEU-0511	GEU-0521
Ethernet Port	4 x 10/100/1000Mbps	4 x 10/100/1000Mbps
Fiber Port	1 x 100BASE-FX MMF SC (2km)	-
Fiber Slot	-	1 x 1000BASE-X SFP
Expansion Slot	-	-
MAC Table	1K	1K
Buffer Memory	384KB	104KB
Jumbo Frame	-	9K
Power Supply	External	External
Green Technology	-	-

Unmanaged Non-PoE Ethernet Switch



FSW-1650
16-Port Fast Ethernet Switch



GSW-1657
16-Port Gigabit Ethernet Switch



FSW-2450
24-Port Fast Ethernet Switch



GSW-2457
24-Port Gigabit Ethernet Switch



GSW-5150
51-Port Ethernet Switch, 48 Ports RJ45 Fast Ethernet,
2 Ports RJ45 and 1 Port SFP Gigabit Ethernet

Unmanaged Non-PoE Ethernet Switch Comparison					
Model	FSW-1650	GSW-1657	FSW-2450	GSW-2457	GSW-5150
Ethernet Port	16 x 10/100Mbps	16 x 10/100/1000Mbps	24 x 10/100Mbps	24 x 10/100/1000Mbps	48 x 10/100Mbps 2 x 10/100/1000Mbps
Fiber Port	-	-	-	-	-
Fiber Slot	-	-	-	-	1 x 1000BASE-X SFP
Expansion Slot	-	-	-	-	-
MAC Table	8K	8K	8K	8K	8K
Buffer Memory	160KB	512KB	160KB	512KB	128KB
Jumbo Frame	-	10K	-	10K	-
Power Supply	Internal	Internal	Internal	Internal	Internal
Green Technology	V	-	V	-	-
Optional Accessories	-	-	-	-	-

Managed Non-PoE Ethernet Switch

- Supports IEEE 802.3x full-duplex / half-duplex backpressure flow control
- Provides Auto-MDI/MDIX function
- Supports auto-negotiation for speed and duplex modes for each port



GES-1651
16-Port Web Smart Gigabit Ethernet Switch, 2 Ports SFP/RJ45 Combo



GES-2451
24-Port Web Smart Gigabit Ethernet Switch, 4 Ports SFP/RJ45 Combo



GSW-4876
50-Port Web Smart Gigabit Ethernet Switch, 2 Ports SFP



FGS-2800
28-Port Web Smart Fast Ethernet Switch, 2 Ports Gigabit SFP/RJ45 Combo, 2 Ports Gigabit



GEL-1072
10-Port L2 Managed Gigabit Ethernet Switch, 2 Ports Gigabit SFP/RJ45 Combo

Managed Non-PoE Ethernet Switch Comparison					
Model	GES-1651	GES-2451	GSW-4876	FGS-2800	GEL-1072
Ethernet Port	16 x 10/100/1000Mbps	24 x 10/100/1000Mbps	48 x 10/100/1000Mbps	4 x 10/100/1000Mbps 24 x 10/100Mbps	10 x 10/100/1000Mbps
Fiber Port	-	-	-	-	-
Fiber Slot	2 x 1000BASE-X SFP	4 x 1000BASE-X SFP	2 x 1000Base-X SFP	2 x 1000BASE-X SFP(Combo)	2 x 1000BASE-X SFP
Expansion Slot	-	-	-	-	-
MAC Table	8K	8K	8K	16K	8K
Buffer Memory	4086KB	4086KB	512KB	2560KB	1024KB
Port Trunking	-	-	25 Group	6 Groups	5 Groups
Jumbo Frame	10K	10K	10KB	10K	9K
Management	SNMP/RMON	SNMP/RMON	SNMP/Telnet/ Web-Based/RMON	SNMP/RMON	SNMP/Telnet/RMON
VLAN	802.1Q (upt to 4096VID)	802.1Q (upt to 4096VID)	Port Based / 802.1Q (512 Entries, 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 /V3	V1 /V2	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
Stacking	-	-	-	-	* Single IP Management
Power Supply	Internal	Internal	Internal	Internal	Internal
Green Technology	-	-	-	V	V
Optional Accessories	-	-	-	-	-

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

Managed Non-PoE Ethernet Switch



GEL-2670
26-Port L2 Managed Gigabit Ethernet Switch, 2 Ports SFP



GEL-2671
26-Port L2 Managed Gigabit Ethernet Switch, 4 Ports SFP/RJ45 Combo, 2 Ports SFP



GTL-2880
28-Port L2 Plus Managed Gigabit Ethernet Switch, 4 Ports SFP/RJ45 Combo, 4 Ports 10-Gigabit Ethernet SFP Plus



GTL-5280
52-Port L2 Plus Managed Ethernet Switch, 44 Ports RJ45 and 4 Ports RJ45/SFP Combo Gigabit Ethernet, 4 Ports SFP Plus 10-Gigabit Ethernet



GTL-2691
26-Port Stackable L3 Managed Gigabit Ethernet Switch, 4 Ports SFP/RJ45 Combo, 2 Module Slots 10-Gigabit

Managed Non-PoE Ethernet Switches Comparison					
Model	GEL-2670	GEL-2671	GTL-2880	GTL-5280	GTL-2691
Ethernet Port	24 x 10/100/1000Mbps	24 x 10/100/1000Mbps	24 x 10/100/1000Mbps	48 x 10/100/1000Mbps	20 x 10/100/1000Mbps
Fiber Port	-	-	-	-	-
Fiber Slot	2 x 100/1000BASE-X SFP	2 x 100/1000BASE-X SFP 4 x 100/1000BASE-X SFP(Combo)	4 x 1000BASE-X SFP 4 x 10G SFP-Plus	4 x 1000BASE-X SFP 4 x 10G SFP-Plus	4 x 1000BASE-X SFP
Expansion Slot	-	-	-	-	2
MAC Table	8K	8K	8K	8K	16K
Buffer Memory	512KB	512KB	4096KB	8192KB	2048KB
Port Trunking	13 Groups	25 Groups	14 Groups	26 Groups	32 Groups
Jumbo Frame	10K	9K	9.8K	9.8K	9K
Management	SNMP/Web-based	SNMP/Web/Console/ Telnet/RMON	SNMP/Telnet/Web-Based/ RMON	SNMP/Telnet/Web-Based/ RMON	SNMP/Telnet/Web-Based/ Console/RMON
VLAN	Port Based / 802.1Q (8 Entries, up to 4K VID)	Port-Based / 802.1Q (up to 4K VID)	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 /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/802.1w/802.1s	IEEE 802.1d/802.1w/ 802.1s	IEEE 802.1d/802.1w/802.1s
Stacking	-	* Single IP Management	* Single IP Management	* Single IP Management	Hardware Stacking
Power Supply	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

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

NEW


GEL-2460
24-Port L2 Gigabit Ethernet Switch, 2 Ports SFP/RJ45 Combo

NEW


GEL-2461
24-Port Web Smart Gigabit Ethernet Switch, 16 Ports SFP

NEW


GTL-2060
20-Port L2 Managed Gigabit Ethernet Switch, 12 Ports SFP Plus 10-Gigabit Ethernet

NEW


GTL-2660
26-Port L2 Managed Gigabit Ethernet Fiber Switch, 2 Ports SFP Plus 10-Gigabit Ethernet, 4 Ports SFP/RJ45 Combo

NEW


GTL-2890
28-Port L3 Managed Gigabit Ethernet Switch, 4 Ports SFP Plus 10-Gigabit Ethernet

NEW

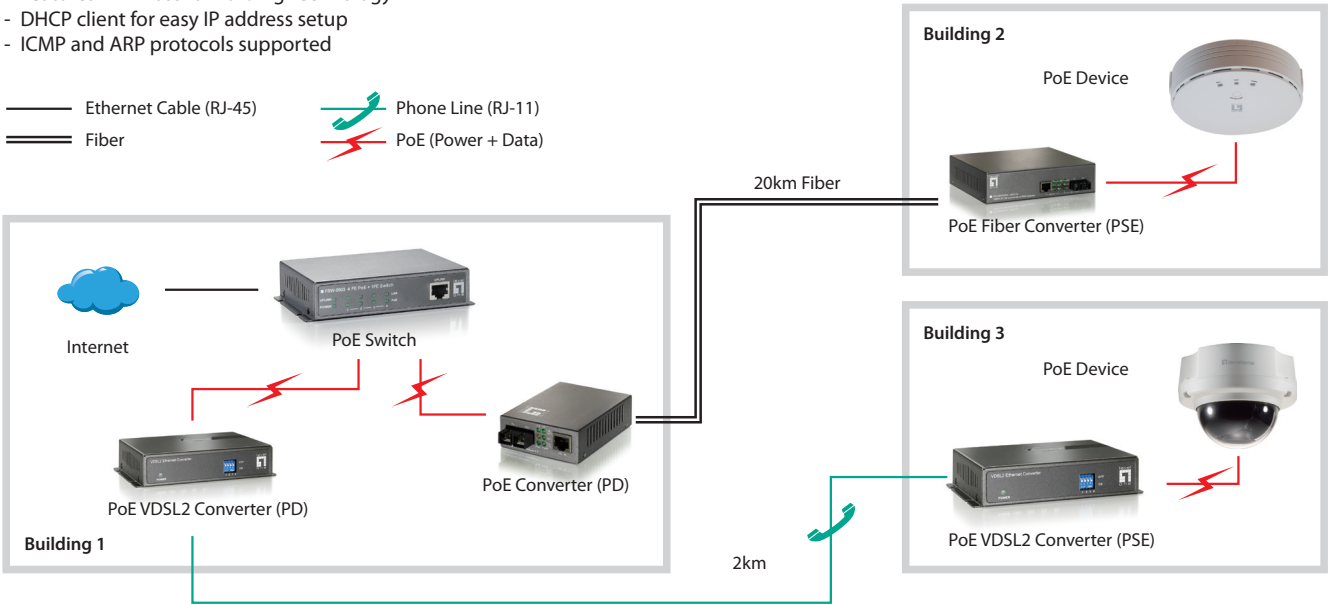

GTL-5660
56-Port L2 Managed Gigabit Ethernet Switch, 8 Ports SFP Plus 10-Gigabit Ethernet

Non-PoE Ethernet Switch Comparison						
Model	GEL-2460	GEL-2461	GTL-2060	GTL-2660	GTL-2890	GTL-5660
Ethernet Port	24 x 10/100/1000Mbps	8 x 10/100/1000Mbps	8 x 10/100/1000Mbps	4 x 10/100/1000M Base-TX	24 x 10/100/1000Mbps	48 x 10/100/1000Mbps
Fiber Port	-	-	-	-	-	-
Fiber Slot	2 x 1000BASE-SX/LX SFP	16 x 1000BASE-SX/LX SFP	12 x fixed 10Gbps SFP	24 x 10/100/1000M FX/LX/SX SFP, 2 x fixed 10G SFP	4 x fixed 10Gbps SFP	8 x fixed 10Gbps SFP
Expansion Slot	-	-	-	-	-	-
MAC Table	8K	8K	32K	8K	Unicast: 16K, Multicast: 1024	32K
Buffer Memory	4Mb	4Mb	2048KB	32Mb	1.5MB	2048KB
Port Trunking	24 Groups	24 Groups	24 Groups	13 Groups	128 Groups	32 Groups
Jumbo Frame	9K	9K	9K	9K	9K	9K
Management	SNMP/Web/Console	Web/Console	SNMP/Telnet/Web-Based/Console/RMON/TFTP/SSH 2.0	SNMP/Web-Based/Console	SNMP/Telnet/Web-Based/Console/SSH 2.0	SNMP/Telnet/Web-Based/Console/SSH 2.0/RMON
VLAN	Support port-based VLAN Support uplink port (One port can belong to more than one VLAN) Support 802.1Q VLAN	Support port-based VLAN Support uplink port (One port can belong to more than one VLAN) Support 802.1Q VLAN	Max. 4K VLAN GVRP 1:1 & N:1 VLAN Mapping QinQ Private VLAN	Support port-based VLAN	Max. 4K VLAN Port-based VLAN TAG-Based VLAN Private VLAN Protocol-based VLAN QinQ GVRP VLAN	Max. 4K VLAN Port-based VLAN TAG-Based VLAN QinQ GVRP VLAN
IGMP Snooping	-	-	V1 / V2 / V3	V2	V1 / V2 / V3	V1 / V2
Spanning Tree	IEEE 802.1d/802.1w	IEEE 802.1d/802.1w	IEEE 802.1d/802.1w/802.1s	IEEE 802.1d/802.1w	IEEE 802.1d/802.1w/802.1s	IEEE 802.1d/802.1w/802.1s
Stacking	-	-	-	-	Hardware Stacking	-
Power Supply	Internal	Internal	Internal	Internal	Internal	Internal
Green Technology	-	-	-	-	-	-
Optional Accessories	-	-	-	-	-	-

LevelOne has unique solutions to convert Ethernet data. Our Media converters follow all the IEEE standards and reliably easy to install solutions that connect individual network over long distances. With built-in PoE functionality, users are capable to build deployments that aren't limited by power outlets or extension cords. And our newest VDSL2 converters are innovative industry leaders. LevelOne offer 300+ meters over traditional RJ-11 phone wiring, which beats the normal 100 meter runs of Cat.5 cables.

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



Managed Media Converter



FVS-3800
10/100BASE-TX to 100BASE-X SFP Smart Converter



FVS-3200
10/100BASE-TX to 100BASE-FX MMF SC Smart Converter, 2km



GVS-3200
10/100/1000BASE-T to 1000BASE-SX MMF SC Smart Converter, 550m



FVS-3120
10/100BASE-TX to 100BASE-LX SMF SC Smart Converter, 20km



GVS-3110
10/100/1000BASE-T to 1000BASE-LX10 SMF SC Smart Converter, 10km

Managed Media Converter Comparison					
Model	FVS-3800	FVS-3200	GVS-3200	FVS-3120	GVS-3110
Media Conversion	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	100Mbps	1000Mbps	100Mbps	1000Mbps
Distance	Depends on Transceivers	2 km	2km	20km	10km
Dip Switches	-	-	-	-	-
Optional Accessories	CVH-3000: 12-Slot Media Converter				

Ethernet Media Converters



FVT-0103TXFC
10/100BASE-TX to 100BASE-FX MMF SC
PoE PD Converter



FVT-0104TXFC
10/100BASE-TX to 100BASE-FX SMF SC
PoE PD Converter



FVT-0203TXFC
10/100BASE-TX to 100BASE-FX MMF SC PoE
Converter, 15.4W



FVT-0204TXFC
10/100BASE-TX to 100BASE-FX SMF SC PoE
Converter, 20km



FVT-2001
10/100BASE-TX to 100BASE-FX MMF SC
Converter, 2km



FVT-2201
10/100BASE-TX to 100BASE-FX SMF SC
Converter, 20km

Ethernet Media Converter Comparison						
Model	FVT-0103TXFC	FVT-0104TXFC	FVT-0203TXFC	FVT-0204TXFC	FVT-2001	FVT-2201
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	RJ-45 to SMF SC
Max. Speed	100Mbps	100Mbps	100Mbps	100Mbps	100Mbps	100Mbps
Distance	2km	20km	2km	20km	2km	20km
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		-	-	CVH-2000: 14-Slot Media Converter Chassis with Redundant Power Supply	



FVT-2401
10/100BASE-TX to 100BASE-FX SMF SC
Converter, 40km



FVT-2002
10/100BASE-TX to 100BASE-FX MMF ST
Converter, 2km



GVT-2000
10/100/1000BASE-T to 1000BASE-X SFP
Converter



GVT-2001
10/100/1000BASE-T to 1000BASE-SX MMF SC
Converter, 550m

Ethernet Media Converter Comparison				
Model	FVT-2401	FVT-2002	GVT-2000	GVT-2001
Media Conversion	RJ-45 to SMF SC	RJ-45 to MMF ST	RJ-45 to SFP	RJ-45 to MMF SC
Max. Speed	100Mbps	100Mbps	1000Mbps	1000Mbps
Distance	40km	2km	Depends on Transceivers	Depends on Transceivers
PoE	-	-	-	-
PoE Power Budget	-	-	-	-
Power Supply	External	External	External	External
Dip Switches	V	V	V	V
Optional Accessories	CVH-2000: 14-Slot Media Converter Chassis with Redundant Power Supply			

Converter Chassis with Redundant Power Supply

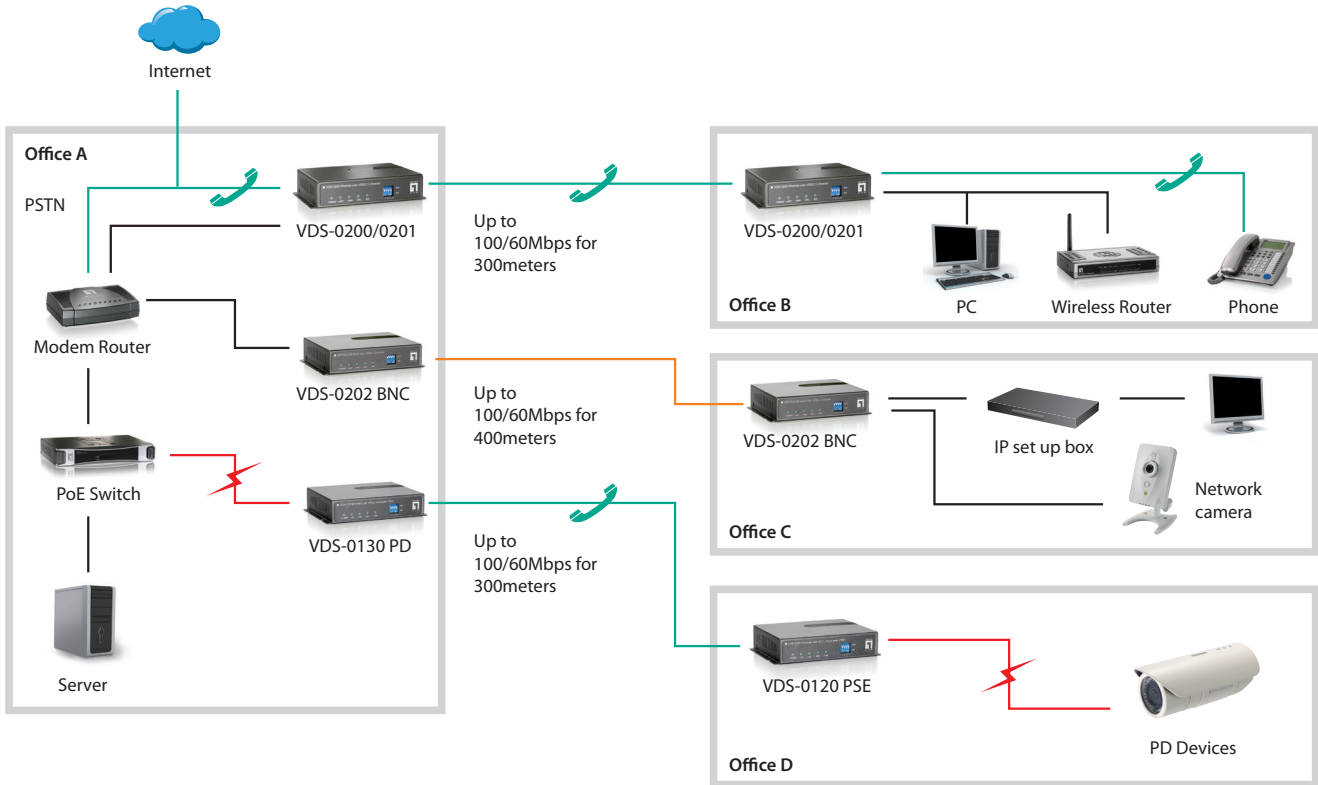


CVH-2000
14-Slot Media Converter Chassis

Converter Chassis Comparison	
Model	CVH-2000
Slot	14
Redundant Power	V
Management	-
Optional Converter Module	FVT-2001, FVT-2002, FVT-2201, FVT-2401, GVT-2001, GVT-2000
Optional SFP Module	-
Manage Converter	-

Ethernet to VDSL2 Converter

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



Key Features

- Trellis coding support up to 1024 discrete multi-tone bins and 4 Dip Switches for configuration settings
- Auto MDIX for 10/100BaseT ethernet LAN Ports
- Low-latency for video/voice/data applications
- Supports Line Powered VDSL2 connection

N/A in AU



VDS-0200
Ethernet over VDSL2 Converter (Annex A)



VDS-0201
Ethernet over VDSL2 Converter (Annex B)



VDS-0202
Ethernet over VDSL2 Converter (BNC Connection)



VDS-0120
Ethernet over VDSL2 Converter (PSE)



VDS-0130
Ethernet over VDSL2 Converter (PD)



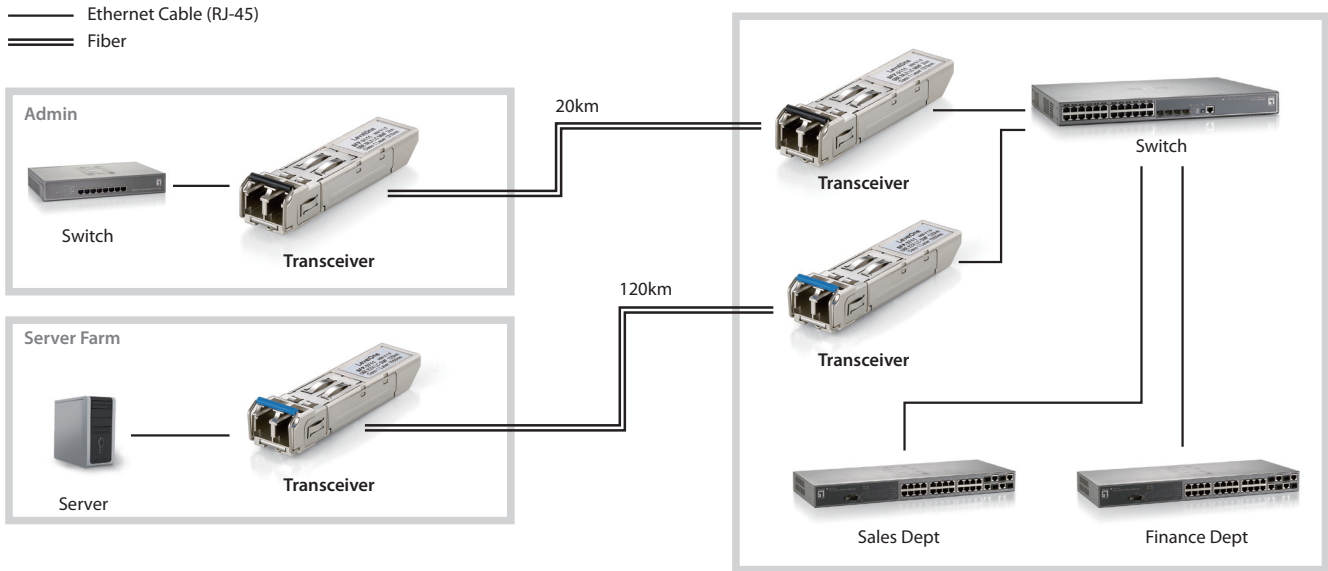
VDS-0110 / VDS-0111
Ethernet over VDSL2 Converter (Sender / Receiver)

VDSL2 Media Converter Comparison						
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			-	-	-

The BI-DI (Bi-Directional) uses the WDM technique transceiver. The WDM (Wavelength Division Multiplexing) is technique for fiber-optic cable in which multiple optical signal channels are carried across a single strand of fiber at different wavelengths of light. This allows for a multiplication in capacity, in addition to making it possible to perform bidirectional communications over one strand of fiber.

Key Features

- Single 3.3V power supply
- Eye safety designed to meet LASER Class 1
- No configuration or installation software required
- Works with levelOne switches and converters



155M SFP Duplex LC Fiber



SFP-1101
155M MMF SFP Transceiver, 2km, 1310nm



SFP-1311
155M SMF SFP Transceiver, 20km, 1310nm



SFP-1411
155M SMF SFP Transceiver, 40km, 1310nm

1.25G SFP Duplex LC Fiber



GVT-0300
1.25G MMF SFP Transceiver, 550 m, 850nm



GVT-0301
1.25G SMF SFP Transceiver, 10 km, 1310nm



GVT-0302
1.25G SMF SFP Transceiver, 80 km, 1550nm

Transceiver Comparison						
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 Transceivers work with Converters GVT-4000/5000 and Switches 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, 550m, 850nm



SFP-3211
1.25G Single-mode SFP Transceiver (10km)



SFP-3611
1.25G SMF SFP Transceiver, 80km, 1550nm

155M BIDI Simplex LC Fiber



SFP-3111
1.25G MMF SFP Transceiver, 2km, 1310nm



SFP-3711
1.25G SMF SFP Transceiver, 120km, 1550nm

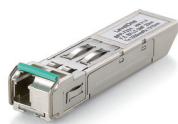


SFP-7321
155M SMF BIDI SFP Transceiver, 20km,
T1310/R1550nm

Transceiver Comparison						
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 Transceivers work with Converters GVT-4000/5000 and Switches 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, 20km,T1550/R1310nm



SFP-7421
155M Single-mode BIDI SFP Transceiver
(40km, TX/RX over 1310/1550nm)

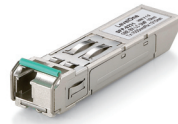


SFP-7431
155M Single-mode BIDI SFP Transceiver
(40km, TX/RX over 1550/1310nm)

1.25G BIDI Simplex LC Fiber



SFP-9221
1.25G SMF BIDI SFP Transceiver, 10km,
T1310/R1550nm



SFP-9231
1.25G SMF BIDI SFP Transceiver, 10km,
T1550/R1310nm



SFP-9321
1.25G SMF BIDI SFP Transceiver, 20km,
T1310/R1550nm

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 Transceivers work with Converters GVT-4000/5000 and Switches 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, 20km, T1550/R1310nm
1.25G Copper Transceiver



SFP-9421
1.25G SMF BIDI SFP Transceiver, 40km, T1310/R1550nm
10G XFP Duplex LC Fiber



SFP-9431
1.25G SMF BIDI SFP Transceiver, 40km, T1550/R1310nm



SFP-3841
1.25G Copper Transceiver, RJ-45, 100m



XFP-5901
10G MMF XFP Transceiver, 300m, 850nm



XFP-5211
10G SMF XFP Transceiver, 10km, 1310nm

Transceiver Comparison						
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 Transceivers work with Converters GVT-4000/5000 and Switches 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, 300m, 850nm



SFP-6121
10Gbps SMF SFP-Plus Transceiver, 10km, 1310nm



SFP-6141
10Gbps SMF SFP-Plus Transceiver, 40km, 1550nm

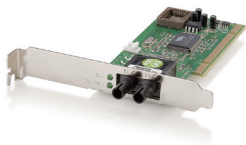
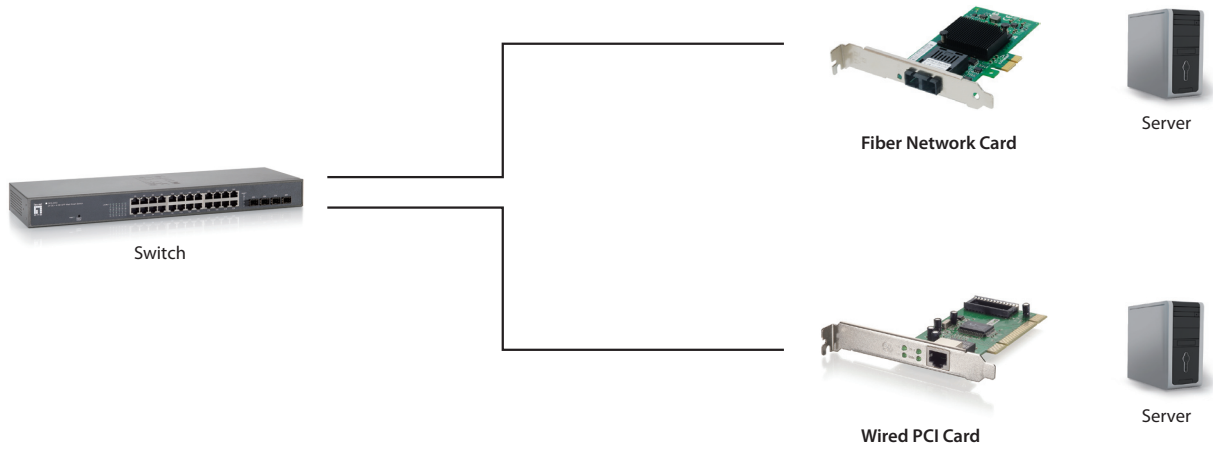
Transceiver Comparison			
Model	SFP-6101	SFP-6121	SFP-6141
Single/Multi-Mode	MMF	SMF	SMF
Date Rate	10Gbps	10Gbps	10Gbps
Wavelength	850nm	1310nm	1310nm
Transmission Range	300m	10km	40km
Connector	Duplex LC	Duplex LC	Duplex LC

*LevelOne 10G SFP Duplex LC Fiber Transceiver work with Switches GTP-2880/GTL-2880/GTL-5280

LevelOne Network Adapters come with different interfaces to suit your needs. With high-speed data transfer rates that follow all IEEE standards and protocols, you can rely on solid performance especially when bandwidth-hungry applications are being used.

Key Features

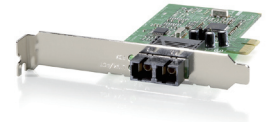
- Provides Plug and Play for easy installation
- Supports multiple operation system
- Extends network area connectivity over greater distances



FNC-0103FX
Fast Ethernet Fiber PCI Network Card,
Multi-Mode, ST



FNC-0104FX
Fast Ethernet Fiber PCI Network Card,
Multi-Mode, SC



FNC-0115
Fast Ethernet Fiber PCIe Network
Card, Multi-Mode, SC



GNC-0112
Gigabit PCIe Network Card



FNC-0600TXM
5-Port Fast Ethernet PCI Switch Card



WUA-5600
High Power Wireless USB Network Adapter,
150Mbps 802.11b/g/n, Outdoor

N/A in AU

Network Adapter Comparison						
Model	FNC-0103FX	FNC-0104FX	FNC-0115	GNC-0112	FNC-0600TXM	WUA-5600
Interface	PCI	PCI	PCI-e	PCI-e	PCI	USB
Ethernet Port	-	-	-	1 x 10/100/1000Mbps	5 x 10/100Mbps	-
Fiber Port	1 x 100Base-FX ST Slots	1 x 100Base-FX SC Slots	1 x 1000Base-SX SC Slots	-	-	7 dBi Omni-Directional
Antenna	-	-	-	-	-	150Mbps (11b/g/n)
Wake-on-LAN	V	V	V	V	V	-
IP Rating	-	-	-	-	-	IP-67
Jumbo Frame	-	-	-	-	-	-



GNC-0111
Gigabit Fiber PCIe Network Card, Multi-Mode, SC



GNC-0100
Gigabit Fiber PCI Network Card, SFP



GNC-0107
Gigabit Fiber PCI Network Card, Multi-Mode, SC



GNC-0110
Gigabit Fiber PCIe Network Card, SFP



GNC-0120
Gigabit Fiber PCIe Network Card, SFP, PCIe x4



GNC-0122
Gigabit Fiber PCIe Network Card, Dual SFP, PCIe x4

Network Adapter Comparison						
Model	GNC-0111	GNC-0100	GNC-0107	GNC-0110	GNC-0120	GNC-0122
Interface	PCI-e	PCI	PCI	PCI-e	PCI-e	PCI-e
Ethernet Port	-	-	-	-	-	-
Fiber Port	1 x 1000Base-SX SC Slots	1 x 1000Base-SX/LX SFP Slots	1 x 1000Base-SX SC Slots	1 x 1000Base-SX/LX SFP Slots	1 x 1000Base-SX/LX SFP Slots	2 x 1000Base-SX/LX SFP Slots
Antenna	-	-	-	-	-	-
Wake-on-LAN	V	V	V	V	V	V
IP Rating	-	-	-	-	-	-
Jumbo Frame	9K	-	-	9.5K	9.5K	-



GNC-0124
Gigabit Fiber PCIe Network Card, Quad SFP, PCIe x4



GNC-0201
10 Gigabit Fiber PCIe Network Card, SFP+, PCIe x8



GNC-0202
10 Gigabit Fiber PCIe Network Card, Dual SFP+, PCIe x8



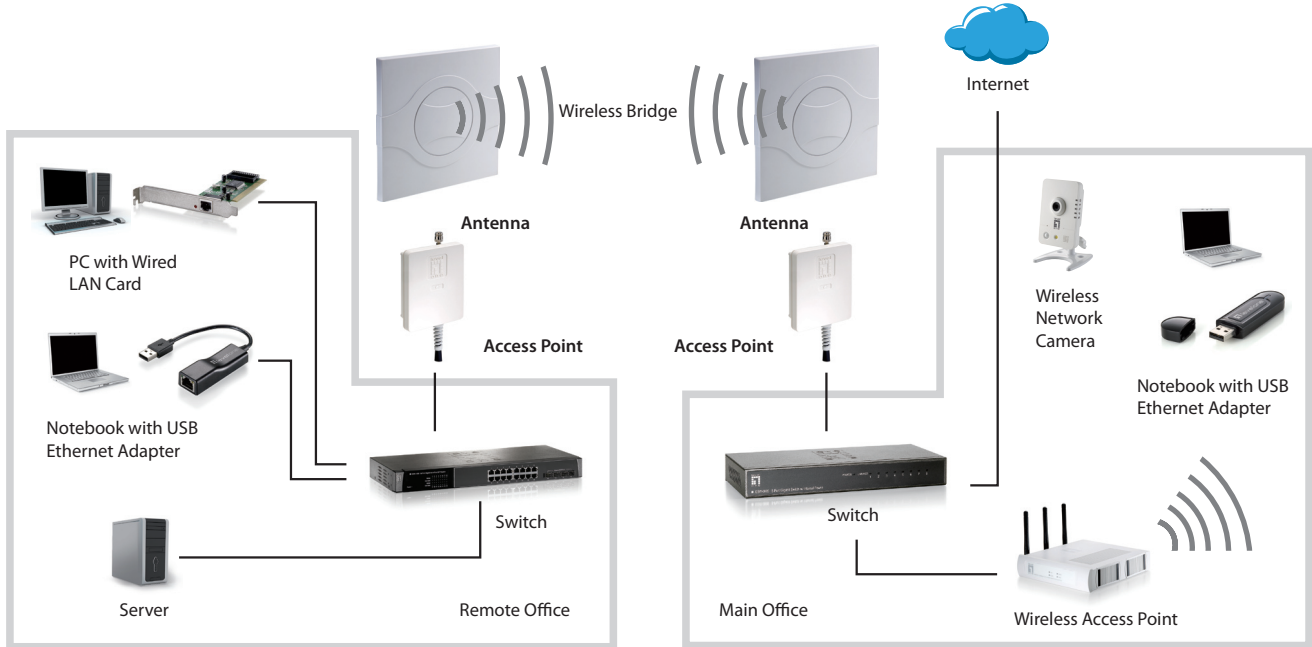
FNC-0105
Fast Ethernet Fiber PCI Network Card, SFP

Network Adapter Comparison				
Model	GNC-0124	GNC-0201	GNC-0202	FNC-0105
Interface	PCI-e	PCI-e	PCI-e	PCI
Ethernet Port	-	-	-	-
Fiber Port	4 x 1000Base-SX/LX SFP Slots	1 x 10Gbps SFP+ Slots	2 x 10Gbps SFP+ Slots	1 x 100Base-FX SFP Slots
Antenna	-	-	-	-
Wake-on-LAN	V	V	V	V
IP Rating	-	-	-	-
Jumbo Frame	9.5K	-	-	-

Wireless Access Point

LevelOne Wireless Access Points create unique and flexible network architectures. Depending on your requirement, these devices make it possible to transmit wireless signals to every corner of your office. Either indoor or outdoor.

— Ethernet Cable (RJ-45)



Key Features

- Supports multiple wireless operation modes
- Provides wireless security with 64/128-bit WEP, WPA, and WPA2 encryption



WAB-6120
Wireless Access Point, 150Mbps 802.11b/g/n,
Passive PoE, Outdoor, Built-in Antenna



WAB-5120
5GHz Wireless Access Point, 300Mbps 802.11a/n,
Outdoor, Passive PoE, Built-in Antenna



NEW

WRE-6001C
Wireless Range Extender, 300Mbps 802.11b/g/n

Wireless Access Point Comparison		
Model	WAB-6120	WAB-5120
Wireless	150Mbps (11b/g/n)	300Mbps (11a/n)
Antenna	1 x 8dBi Internal, N-type connector for optional antenna	2 x 16dBi Internal, SMA-Type connectors for optional antennas
PoE	V	V
Power Supply	Passive PoE	Passive PoE
Frequency Range	2.4GHz	5GHz
Multiple-SSID	16	16
AP/ AP Client/WDS Mode	V	V
IP Rating	IP55	IP55

Wireless Access Point Comparison	
Model	WRE-6001C
Wireless	300Mbps (11b/g/n)
Antenna	2 PCB antenna 3dbi
PoE	-
Power Supply	Internal
Frequency Range	2.4GHz
Multiple-SSID	-
AP/ AP Client/WDS Mode	Repeater Mode
IP Rating	-



WAP-6013
Wireless Access Point, 300Mbps 802.11b/g/n,
Detachable Antenna



WAP-6110
Wireless Access Point, 300Mbps 802.11b/g/n,
802.3af PoE, Detachable Antenna



WAP-6150
Managed Wireless Access Point, 300Mbps 802.11b/g/n,
Gigabit Ethernet, 802.3af PoE, Detachable Antenna



WAP-6101
Managed Ceiling Wireless Access Point, 300Mbps
802.11b/g/n, Gigabit Ethernet, 802.3af PoE, Built-in
Antenna



WAP-6103
Managed Ceiling Wireless Access Point, 300Mbps
802.11b/g/n, Fast Ethernet, 802.3af PoE, Built-in
Antenna



WAP-8101
Managed Ceiling Wireless Access Point, 1200Mbps
802.11a/b/g/n/ac, Gigabit Ethernet, 802.3af PoE,
Built-in Antenna

NEW

Wireless Access Point Comparison						
Model	WAP-6013	WAP-6110	WAP-6150	WAP-6101	WAP-6103	WAP-8101
Wireless	300Mbps (11b/g/n)	300Mbps (11b/g/n)	300Mbps (11b/g/n)	300Mbps (11b/g/n)	300Mbps (11b/g/n)	300Mbps (11a/b/g/n/ac)
Antenna	2 x 2dBi detachable	2 x 3dBi detachable	2 x 5dBi detachable	2 x 3dBi internal	2 x 3dBi internal	2.4G: 4dBi, 5G: 5dBi internal
PoE	-	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
Power Supply	External	PoE	PoE	PoE	PoE	PoE
Frequency Range	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz / 5GHz
Multiple-SSID	2	4	8	8	8	8
AP/ AP Client/WDS Mode	V	V	V	V	V	V
IP Rating	-	-	-	-	-	-



NEW

WAP-6111
Managed Ceiling Mount Wireless Access Point, 300Mbps
802.11b/g/n, 802.3af PoE



NEW

WAP-6112
Managed Ceiling Mount Gigabit Wireless Access Point,
300Mbps 802.11b/g/n, 802.3af PoE



NEW

WAP-6201
Managed Wall Mount Wireless Access Point, 802.3af
PoE, 150Mbps 802.11b/g/n, In-Wall



NEW

WAP-6202
Managed Wall Mount Wireless Access Point, 300Mbps
802.11b/g/n, 802.3af PoE, In-Wall

Wireless Access Point Comparison				
Model	WAP-6111	WAP-6112	WAP-6201	WAP-6202
Wireless	300Mbps (11b/g/n)	300Mbps (11b/g/n)	150Mbps (11b/g/n)	300Mbps (11b/g/n)
Antenna	2 x 5dBi detachable	2 x 3dBi detachable	1 x 4dBi detachable	2 x 4dBi detachable
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
Power Supply	PoE	PoE	PoE	PoE
Frequency Range	2.4GHz	2.4GHz	2.4GHz	2.4GHz
Multiple-SSID	4	4	4	4
AP/ Repeater/WDS Mode	V	V	V	V
IP Rating	-	-	-	-

Key Features

- Support AP load balancing and client isolation
- Policy-based access control
- Centralized management of up to 64(WAC-1000)/ 128(WAG-1000) wireless access points
- Supports IP Plug and Play for instant network connectivity (WAG-1000)
- Multiple authentication methods (WAG-1000)
- Provides 200 local accounts (WAG-1000)

NEW

WAC-1000
Wireless LAN Controller

NEW

WAG-1000
Wireless LAN Controller, Gateway Support

Key Features

- Strengthens the radio signal of your wireless device
- Greatly improves wireless range and coverage
- Easy to install, just plug in and play

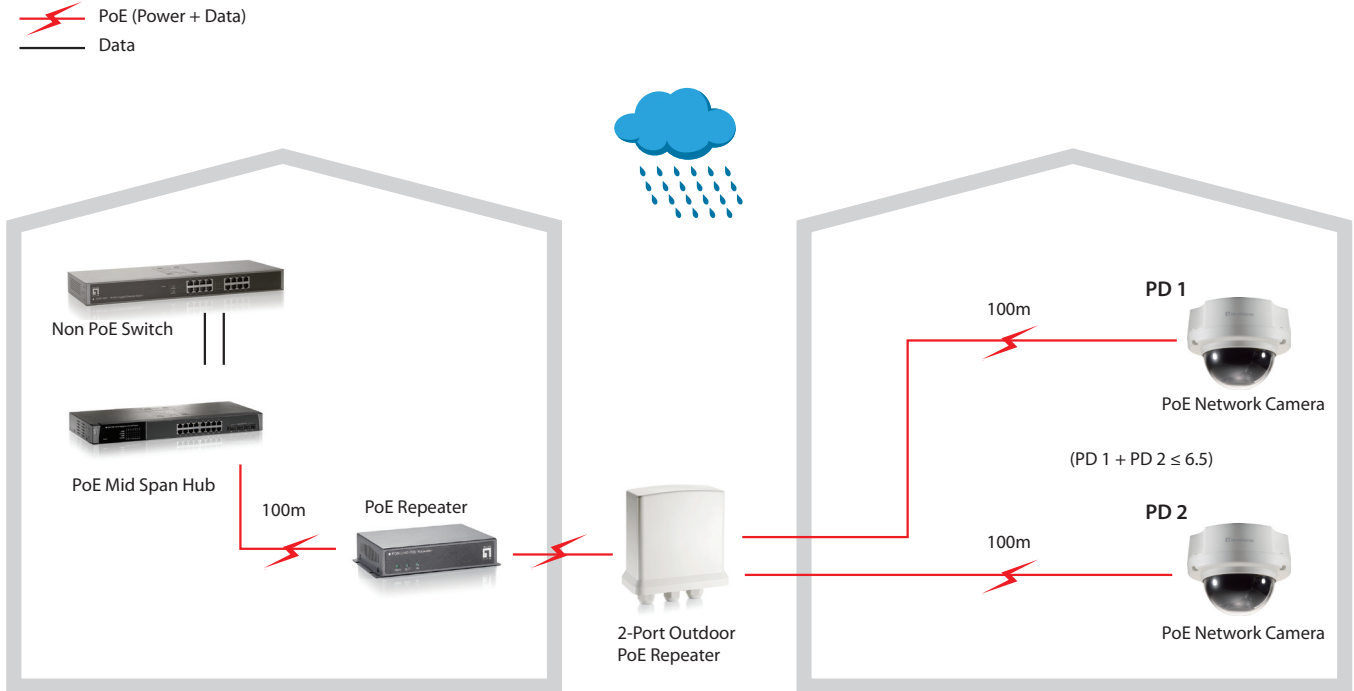


WBO-0100
11b/g WiFi Signal Booster (1W)



WBO-1100
11b/g Outdoor WiFi Signal Booster (1W)

LevelOne Power over Ethernet (PoE) devices supply power to PoE-capable devices like network cameras, access points, and VoIP phones using only Ethernet cables. MidSpan hubs combine data and power into the same cable to provide ultimate flexibility when building a network. Use LevelOne PoE indoor/outdoor repeaters to extend your PoE network devices with an addition of 100m. This is especially useful as no devices needs to be located close to power outlets.



Injector Hubs

- 12 ports Power over Ethernet Hub
- Compatible with IEEE 802.3af PoE standard
- High safety short circuit protection
- 19" rack mountable size
- Power protection: over voltage, over current and over temp protection



POH-1250
12-Port Fast Ethernet PoE Injector Hub, 200W



POH-1260
12-Port Fast Ethernet High Power PoE Injector Hub, 375W

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



PoE Splitter

- Built-in current limitation, short circuit and overload protection
- Eliminates the need for a bulky power adapter and power line for your appliance
- Simple to install Plug and Play
- Automatically detects PoE terminals and supplies inline power



POS-1002
5-12V DC PoE Splitter



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



POS-4000
12V DC High Power PoE Splitter



POS-4002
24V AC High Power PoE Splitter



POS-4001
12VDC High Power PoE Splitter

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

PoE Injector

- Built-in surge and over current protection
- Plug and Play, no software or configuration needed



POI-2001
PoE Injector, Gigabit Ethernet



POI-2002
PoE Injector



POI-3000
PoE+ Injector, Gigabit Ethernet



POI-3002
PoE Injector, 30W



POI-3004
PoE Injector, 30W, Gigabit Ethernet



POI-4000
PoE Injector, 60W

PoE Injector Comparison						
Model	POI-2001	POI-2002	POI-3000	POI-3002	POI-3004	POI-4000
PoE	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af/at	IEEE 802.3af/at	IEEE 802.3af/at	V
RJ-45 Input	1 x 10/100/1000Mbps	1 x 10/100Mbps	1 x 10/100/1000Mbps	1 x 10/100Mbps	1 x 10/100/1000Mbps	1 x 10/100Mbps
RJ-45 Output	1 x 10/100/1000Mbps	1 x 10/100Mbps	1 x 10/100/1000Mbps	1 x 10/100Mbps	1 x 10/100/1000Mbps	1 x 10/100Mbps
PoE Power Budget	15.4W	15.4W	30W	30W	30W	56W
Optional Accessories	-	-	-	-	-	POC-4000: 8-Bay High Power PoE Chassis

PoE Repeater

- Supports power over ethernet for easy network deployment
- Supports all network devices

NEW



POR-0100
PoE Repeater, Cascadable



POR-0101
PoE Repeater



POR-0120
Gigabit PoE Repeater, Cascade



POR-1100
PoE Repeater, Outdoor, Cascadable



POR-0102
PoE Repeater, 2 Ports, Cascadable



POR-0103
PoE Repeater, 2 PoE Outputs

NEW

PoE Repeater Comparison						
Model	POR-0100	POR-0101	POR-0120	POR-1100	POR-0102	POR-0103
RJ-45 Input Port	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100/1000Mbps	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100Mbps
RJ-45 Output Port	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100/1000Mbps	1 x 10/100Mbps	2 x 10/100Mbps	2 x 10/100Mbps
RJ-11 Input Port	-	-	-	-	-	-
RJ-11 Output Port	-	-	-	-	-	-
PoE	IEEE 802.3af	IEEE 802.3af/at	IEEE 802.3af	-	IEEE 802.3af	IEEE 802.3af/at
Power Supply	PoE	PoE	PoE	PoE	PoE	PoE
IP-Rating	-	-	-	IP65	-	-



POR-0122
Gigabit PoE Repeater, 2 Ports, Cascade



POR-1102
PoE Repeater, 2 Ports, Outdoor, Cascadable



POR-0200
PoE Repeater, Cascade, 802.3af/at PoE Plus



POR-0220
Gigabit PoE Repeater, Cascade, 802.3af/at PoE Plus



POR-1200
PoE Repeater, Outdoor, Cascade, 802.3af/at PoE Plus



POR-0202
PoE Repeater, 2 Ports, Cascade, 802.3af/at PoE Plus

PoE Repeater Comparison						
Model	POR-0122	POR-1102	POR-0200	POR-0220	POR-1200	POR-0202
RJ-45 Input Port	1 x 10/100/1000Mbps	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100/1000Mbps	1 x 10/100Mbps	1 x 10/100Mbps
RJ-45 Output Port	2 x 10/100/1000Mbps	2 x 10/100Mbps	1 x 10/100Mbps 1 x 10/100Mbps (LAN)	1 x 10/100/1000Mbps 1 x 10/100/1000Mbps (LAN)	1 x 10/100Mbps 1 x 10/100Mbps (LAN)	2 x 10/100Mbps
RJ-11 Input Port	-	-	-	-	-	-
RJ-11 Output Port	-	-	-	-	-	-
PoE	IEEE 802.3af	-	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	-



POR-0222
PoE+ Repeater, Gigabit Ethernet, 2 Ports, Cascadable



POR-1202
PoE+ Repeater, 2 Ports, Outdoor, Cascadable



POR-1220
PoE+ Repeater, Gigabit Ethernet, Outdoor, Cascadable



POR-1222
PoE+ Repeater, 2 Ports, Gigabit Ethernet, Outdoor, Cascadable



POT-0100
PoE Extender, Transmitter, Over 2-wire



POT-0110
PoE Extender, Receiver, Over 2-wire





PoE Repeater Comparison						
Model	POR-0222	POR-1202	POR-1220	POR-1222	POT-0100	POT-0110
RJ-45 Input Port	1 x 10/100/1000Mbps	1 x 10/100Mbps	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps	1 x 10/100Mbps	-
RJ-45 Output Port	2 x 10/100/1000Mbps	2 x 10/100Mbps	1 x 10/100/1000Mbps 1 x 10/100/1000Mbps (LAN)	2 x 10/100/1000Mbps	-	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	IEEE 802.3af/at	IEEE 802.3af/at	IEEE 802.3af	IEEE 802.3af
Power Supply	PoE	PoE	PoE	PoE	PoE	PoE
IP-Rating	-	IP65	IP65	IP65	-	-

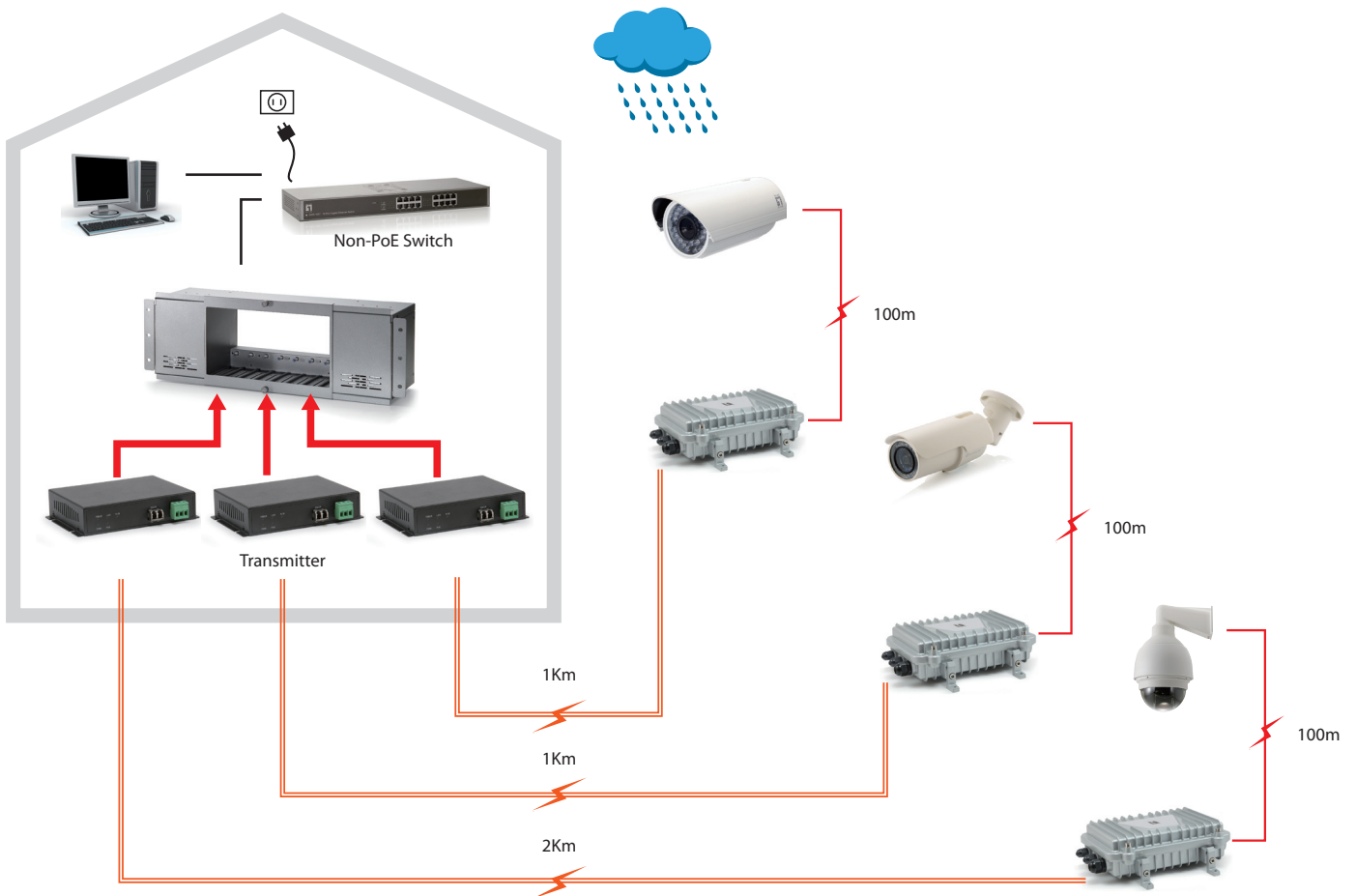
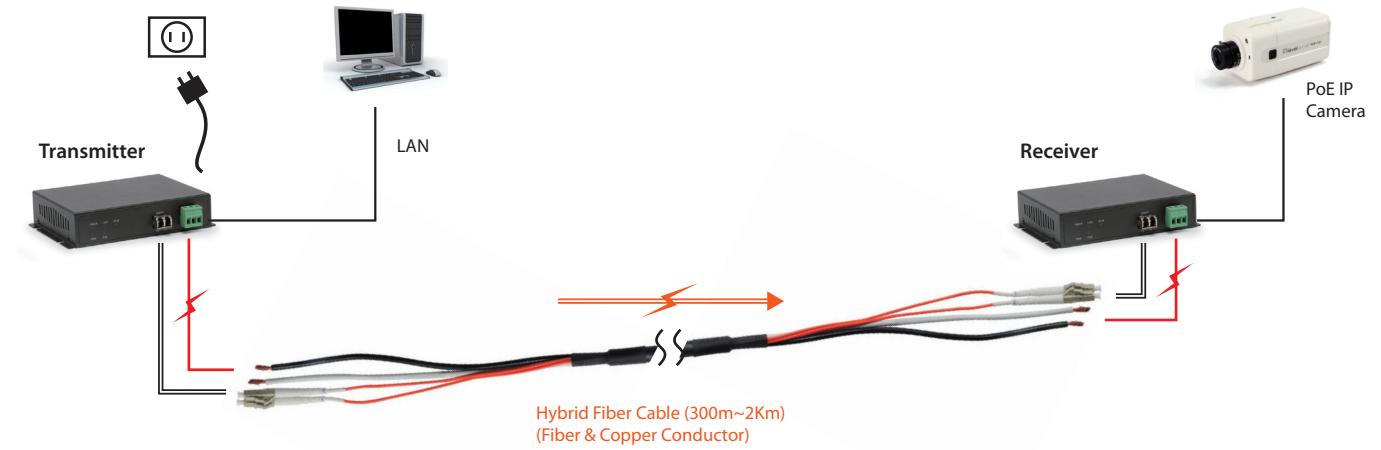


POT-1110
PoE Extender, Receiver, Over 2-wire, Outdoor

PoE Repeater Comparison	
Model	POT-1110
RJ-45 Input Port	1 (Using RJ-11 Cable with RJ-45 Connector)
RJ-45 Output Port	1 x 10/100Mbps
RJ-11 Input Port	-
RJ-11 Output Port	-
PoE	IEEE 802.3af
Power Supply	PoE
IP-Rating	IP65

Using hybrid fiber and copper cable, the LevelOne PFE range can deliver integrated power and data over a distance of 6,800 ft (2km) to a receiver which provides high-power PoE output for IP surveillance applications. A tough outdoor range (PFE-1011/1014) provides the same performance within a durable IP66-rated waterproof housing for harsh environmental conditions and temperature range of -40°C to 60°C.

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



PoE Extender



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



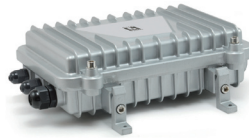
PFE-1101T
PoE Extender, 120W, Transmitter, Over Hybrid Fiber



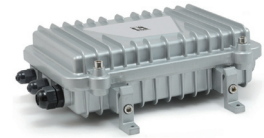
PFE-1001R
PoE Extender, Receiver, Over Hybrid Fiber, 1 Port PoE



PFE-1004R
PoE Extender, Receiver, Over Hybrid Fiber, 4 Ports PoE



PFE-1011R
PoE Extender, Outdoor, Receiver, Over Hybrid Fiber,
1 Port PoE



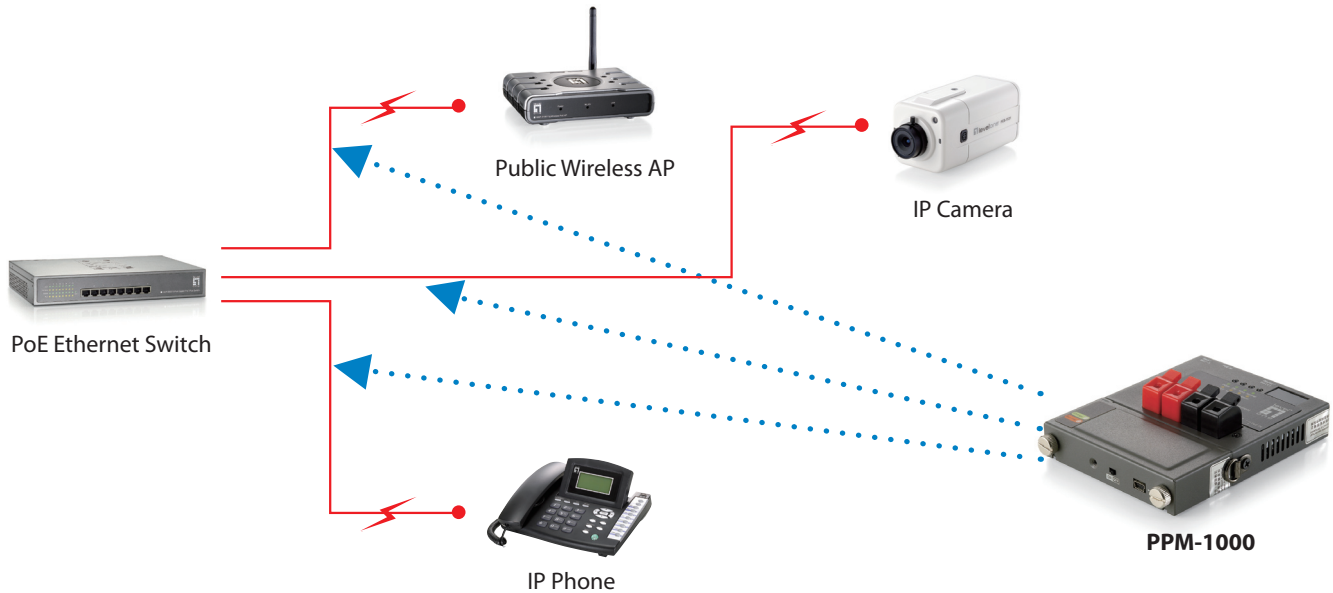
PFE-1014R
PoE Extender, Outdoor, Receiver, Over Hybrid Fiber,
4 Ports PoE

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 Measurer

- Ensures your PoE device works correctly
- Measures available power (watt) and voltage On a PoE line
- Portable and compact size
- LED display and indicators to reveal the power status
- Built-in temperature sensor
- Replaceable external battery pack for real portability
- Detachable neck strap
- Build-in temperature sensor and LED indicator to inform user about overheat condition if high power load test is applied

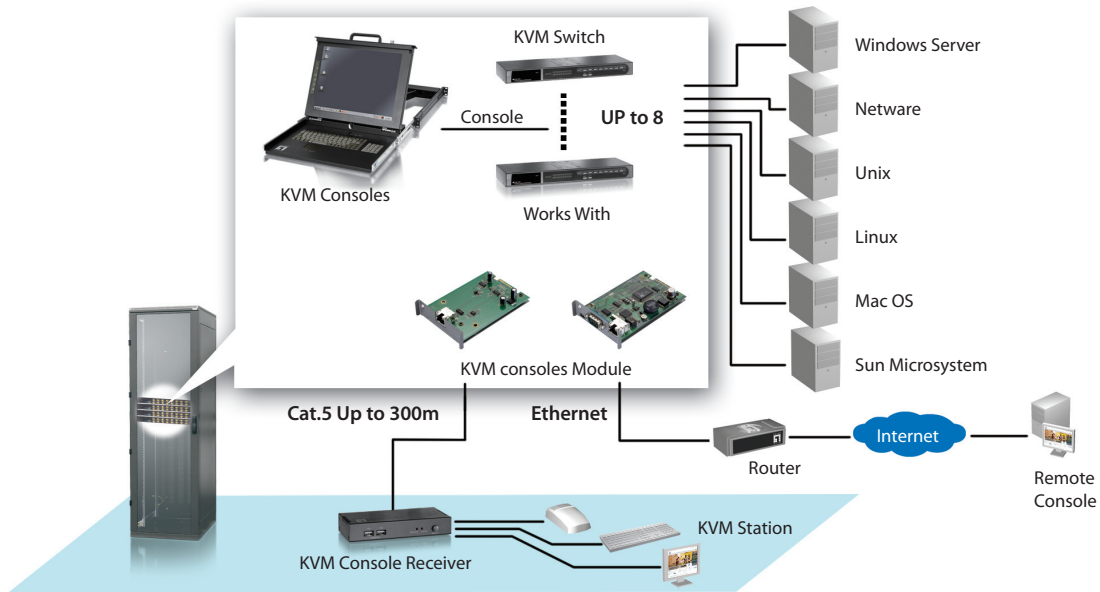


KVM Switch

LevelOne KVM switches include award-winning designs that look trendy on any desktop. With a small footprint and Plug and Play installation, these devices help you to switch between computers with ease. Both PS/2 and USB connections are available to support any operating system. Our professional level rackmount and drawer consoles provide advanced features such as remote management and control of up to 128 different servers.

Key Features

- Features an auto-scan and programmable scan function
- Supports a variety of operating system platforms
- Plug and Play configuration
- Flexible switching for an uninterrupted multi media experience
- Supports DOS, Netware, Unix, Linux, Win3.X, Win 95/98/98SE/2000/ME/XP



Desktop KVM Switch



KVM-0421
4-Port USB KVM Switch with Audio



KVM-0422
4-Port USB KVM Switch

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

Rackmount KVM Switch

Rackmount KVM Console



KVM-0831
8-Port Combo KVM Switch with Expansion Slot



KVM-1631
16-Port Combo KVM Switch with Expansion Slot



KVM-0115US / KVM-0115DE
15" LCD KVM Rack Console



KVM-0117US / KVM-0117DE
17" LCD KVM Rack Console



KVM-0217US / KVM-0217DE
17" LCD Modular KVM Rack Console



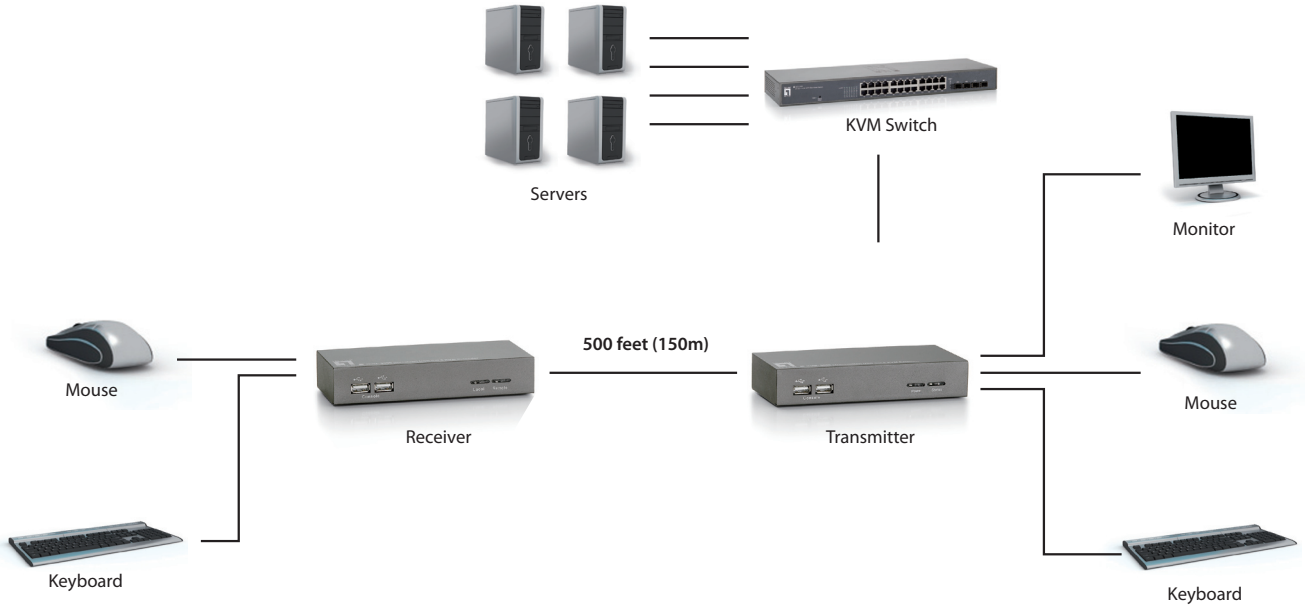
KVM-8901
19" Widescreen LCD KVM Rack Console

Rackmount KVM Switch Comparison			
	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	

Rackmount KVM Console Comparison					
	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



LevelOne's IP KVM Extender allows you to locate a PC, SERVER or KVM SWITCH up to 150m away from your controlling keyboard, mouse and VGA monitor using popular and inexpensive Ethernet cabling. With its compact design, our Cat.5 Extender easily fits on a desk or any limited space. No software or interface card is required.



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

Key Features

- Provides Plug and Play for easy installation
- Supports Cat.5/5e/6 Ethernet cabling
- Works with KVM switches and stand-alone PC



KVM-9006
USB KVM Extender

KVM Extender Comparison	
Model	KVM-9006
Extension distance	150m@1280x1024
Console Port	USB , VGA
PC Port	USB , VGA
Resolution	1280x1024 1920x1440 (local console)

Print Server

- Supports multiple operating systems
- Supports multiple network printing protocols
- Easy to use web-based user interface
- Includes Internet Printing Protocol (IPP) support



FPS-1031
Parallel Print Server



FPS-1032
USB Print Server



FPS-1033
2 USB + 1 Parallel Print Server

Print Server Comparison			
Model	FPS-1031	FPS-1032	FPS-1033
Multifunction Printer Server Support	-	-	-
Parallel/USB Port	1 x Parallel	1x USB	1x Parallel/ 2x USB
USB Server	-	-	V
Wireless	-	-	-

IP Phone

- Traditional phone for digital use
- Cost effective telephony for long and short distance calls for home, business and enterprise users
- User friendly and packed with PoE, VoIP and SIP



VOI-7010
VoIP Phone



VOI-7011
VoIP Phone with FXO port

Voice over IP Comparison		
Model	VOI-7010	VOI-7011
Ethernet Port	1 x 10/100Mbps	1 x 10/100Mbps
FXO Port	-	1
VoIP Protocol	SIP v1/v2	SIP v1/v2
PoE	-	-
Power Supply	External	External

Fixed Camera

- Supports dual streams simultaneously
- Supports 2-way audio
- Bundled with 64-Channel LevelOne IP CamSecure



FCS-1150
Zoom Network Camera, 3-Megapixel, PoE 802.3af, Day & Night, 12x, WDR



FCS-1160
Zoom Network Camera, 5-Megapixel, PoE 802.3af, Day & Night, 12x, WDR



FCS-1152
Fixed Network Camera, 5-Megapixel, PoE 802.3af, Day & Night, WDR



NEW



FCS-1153
Fixed Network Camera, 5-Megapixel, PoE 802.3af, Day & Night

Fixed Camera Comparison				
Model	FCS-1150	FCS-1160	FCS-1152	FCS-1153
Sensor Max Resolution	CMOS 3M, 20fps at 2048 x 1536	CMOS 5M, 20/15fps at 2592 x 1944	CMOS 5M, 15fps at 2592 x 1944	CMOS 5M, 15fps at 2592 x 1944
AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG
Lens type	Zoom, f5.2-62.4mm / F1.8-3.0, DC iris, Auto focus	Zoom, f5.2-62.4mm / F1.8-3.0, DC iris, Auto focus	Vari-focal, f2.8-12mm / F1.4, DC iris, Manual focus	Fixed focal, f2.93mm/F2.0, Fixed iris, Manual focus
Horizontal viewing Angle	50.2°-4.69°	48.4°-4.8°	70.9° - 29.2°	81.6°
ICR (IR-Cut Filter Removal)	V	V	V	V
IRLED /Type/ Distance	-	-	-	-
Digital Noise Reduction	2DNR	2DNR	2DNR	2DNR
Wide Dynamic Range	Superior WDR (110 dB)	Superior WDR (74 dB)	Basic WDR (74 dB)	-
Pan/Tilt/Zoom	12X Optical Zoom, Digital Zoom to very high detail available on Software	12X Optical Zoom, Digital Zoom to very high detail available on Software	Digital Zoom to very high detail available on Software	Digital Zoom to very high detail available on Software
Power Input	DC12V / 802.3af PoE	DC12V / 802.3af PoE	802.3af PoE	802.3af PoE
Audio	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	-	-
Local storage	MicroSDHC/MicroSDXC memory card slot (card not included)	MicroSDHC/MicroSDXC memory card slot (card not included)	MicroSDHC/ MicroSDXC memory card of up to 64GB (card not included)	MicroSDHC/ MicroSDXC card slot (card not included)
Operation Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)
Approvals	CE, FCC	CE, FCC	CE, FCC	CE, FCC



FCS-5042
Zoom Network camera, 2-Megapixel, Outdoor, 802.3af PoE, Day & Night, IR LEDs, 10x



NEW



FCS-5043
Zoom Network camera, 2-Megapixel, Outdoor, 802.3af PoE, IR LEDs, Day & Night, 3x



FCS-5051
Fixed Network Camera, 2-Megapixel, Outdoor, 802.3af PoE, Day & Night, IR LEDs



FCS-5053
Fixed Network Camera, 3-Megapixel, Outdoor, PoE 802.3af, Day & Night, IR LEDs

Fixed Camera Comparison				
Model	FCS-5042	FCS-5043	FCS-5051	FCS-5053
Sensor Max Resolution	CMOS 2M, 25fps at 1920 x 1080	CMOS 2M, 25 fps at 1920x1080	CMOS 2M, 15fps at 1920 x 1080	CMOS 3M, 15fps at 2048 x 1536
AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES
Compression	H.264 High Profile, MPEG4, MJPEG	H.264, MPEG4, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG
Lens type	Zoom, f4.9-496mm / F1.8-3.0, auto iris, Auto focus	Zoom, f=3.5 ~ 10.5mm/F1.8, Auto iris, Auto focus	Fixed focal, f3.6mm / F1.5, Fixed iris, Fixed focus	Fixed focal, f4.2mm / F1.8, Fixed iris, Fixed focus
Horizontal viewing Angle	66.6°-7.2°	Fov(D), 66.6° ~ 7.2°	86.7°	62.7°
ICR (IR-Cut Filter Removal)	V	V	V	V
IRLED /Type/ Distance	30M	-	25M	20M
Digital Noise Reduction	3DNR	3DNR	3DNR	2DNR
Wide Dynamic Range	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (74 dB)	-
Pan/Tilt/Zoom	10X Optical Zoom, 4X Digital Zoom	3X Optical Zoom, 4X Digital Zoom	8X Digital Zoom	Digital Zoom to very high detail available on Software
Power Input	DC12V 1.5A / 802.3af PoE	DC12V 1.5A / 802.3af PoE	DC12V / AC24V / 802.3af PoE	802.3af PoE
Audio	2-way (Line-in, Line-out)	2-way (External microphone)	2-way (Line-in, Line-out)	-
Local storage	MicroSDHC memory card slot (card not included)	MicroSDHC card slot (card not included)	MicroSDHC memory card slot (card not included)	-
Operation Temperature	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)
Approvals	CE, FCC	CE, FCC	CE, FCC, IP66	CE, FCC, IP66

Fixed Camera



FCS-5054
Fixed Network Camera, 3-Megapixel,
PoE 802.3af, Outdoor, Day & Night,
IR LEDs, WDR



FCS-5055
Zoom Network Camera, 3-Megapixel,
Outdoor, PoE 802.3af, Day & Night,
IR LEDs, 12x, WDR



FCS-5056
Fixed Network Camera, 3-Megapixel,
Outdoor, PoE 802.3af, Day & Night,
IR LEDs, WDR



FCS-5057
Fixed Network Camera, 3-Megapixel,
Outdoor, PoE 802.3af, Day & Night,
IR LEDs, WDR

Fixed Camera Comparison				
Model	FCS-5054	FCS-5055	FCS-5056	FCS-5057
Sensor Max Resolution	CMOS 3M, 20fps at 2048 x 1536	CMOS 3M, 20fps at 2048 x 1536	CMOS 3M, 15fps at 2048 x 1536	CMOS 3M, 15fps at 2048 x 1536
AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG
Lens type	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Zoom, f5.2-62.4mm / F1.8-3.0, DC iris, Auto focus	Fixed focal, f4.2mm / F1.8, Fixed iris, Fixed focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus
Horizontal viewing Angle	70.5°-28.8°	50.2°-4.69°	62.7°	70.5°-28.2°
ICR (IR-Cut Filter Removal)	V	V	V	V
IRLED /Type/ Distance	30M	Adaptive IR, 40M	30M	30M
Digital Noise Reduction	2DNR	2DNR	2DNR	2DNR
Wide Dynamic Range	Superior WDR (110 dB)	Superior WDR (110 dB)	Basic WDR (74 dB)	Basic WDR (74 dB)
Pan/Tilt/Zoom	Digital Zoom to very high detail available on Software	12X Optical Zoom, Digital Zoom to very high detail available on Software	Digital Zoom to very high detail available on Software	Digital Zoom to very high detail available on Software
Power Input	802.3af PoE	DC 12V / 802.3af PoE	802.3af PoE	802.3af PoE
Audio	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	-	2-way (Line-in, Line-out)
Local storage	MicroSDHC/MicroSDXC memory card slot (card not included)	MicroSDHC/MicroSDXC memory card slot (card not included)	MicroSDHC/MicroSDXC memory card slot (card not included)	MicroSDHC/MicroSDXC memory card slot (card not included)
Operation Temperature	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)
Approvals	CE, FCC, IP68, IK10 (metal casing)	CE, FCC, IP67, NEMA 4X, IK10 (metal casing)	CE, FCC, IP68, NEMA 4X, IK10 (metal casing)	CE, FCC, IP68, NEMA 4X, IK10 (metal casing)



FCS-5061
Fixed Network Camera, 5-Megapixel,
Outdoor, 802.3af/at PoE Plus, Day &
Night, IR LEDs



FCS-5063
Fixed Network Camera, 5-Megapixel,
Outdoor, PoE 802.3af, Day & Night,
IR LEDs, WDR



FCS-5064
Fixed Network Camera, 5-Megapixel,
Outdoor, PoE 802.3af, Day & Night,
IR LEDs, WDR



FCS-5065
Zoom Network Camera, 5-Megapixel,
Outdoor, PoE 802.3af, Day & Night,
IR LEDs, 12x, WDR

Fixed Camera Comparison				
Model	FCS-5061	FCS-5063	FCS-5064	FCS-5065
Sensor Max Resolution	CMOS 5M, 10fps at 2592 x 1944	CMOS 5M, 15fps at 2592 x 1944	CMOS 5M, 15fps at 2592 x 1944	CMOS 5M, 15fps at 2592 x 1944
AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES
Compression	H.264, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG
Lens type	Fixed focal, f4mm / F1.6, Fixed iris, Fixed focus	Fixed focal, f4.2mm / F1.8, Fixed iris, Fixed focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Auto focus	Zoom, f5.2-62.4mm / F1.8-3.0, DC iris, Manual focus
Horizontal viewing Angle	90°	62.7°	69.2°-28.2°	48.4°-4.8°
ICR (IR-Cut Filter Removal)	V	V	V	V
IRLED /Type/ Distance	25M	30M	30M	Adaptive IR, 40M
Digital Noise Reduction	3DNR	2DNR	2DNR	2DNR
Wide Dynamic Range	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (74 dB)
Pan/Tilt/Zoom	8X Digital Zoom	Digital Zoom to very high detail available on Software	Digital Zoom to very high detail available on Software	12x optical, Digital Zoom to very high detail available on Software
Power Input	AC24V / 802.3at PoE Plus	802.3af PoE	802.3af PoE	DC 12V / 802.3af PoE
Audio	2-way (Line-in, Line-out)	-	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)
Local storage	MicroSDHC/MicroSDXC memory card slot (card not included)	MicroSDHC/MicroSDXC memory card slot (card not included)	MicroSDHC/MicroSDXC memory card slot (card not included)	MicroSDHC/MicroSDXC memory card slot (card not included)
Operation Temperature	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)
Approvals	CE, FCC, IP66	CE, FCC, IP68, NEMA 4X, IK10 (metal casing)	CE, FCC, IP68, NEMA 4X, IK10 (metal casing)	CE, FCC, IP67, NEMA 4X, IK10 (metal casing)

Fixed Dome Camera

- Compatible with IEEE 802.3af PoE standard for easy network deployment
- Supports 2-way audio
- Digital I/O for External Sensor and Alarm
- Bundled with 64-Channel LevelOne IP CamSecure



FCS-3053
Fixed Dome Network Camera,
3-Megapixel, PoE 802.3af, Day &
Night, IR LEDs



FCS-3054
Fixed Dome Network Camera,
3-Megapixel, PoE 802.3af



NEW



FCS-3056
Fixed Dome Network Camera,
3-Megapixel, PoE 802.3af, Day &
Night, IR LEDs



FCS-3055
Fixed Dome Network Camera,
3-Megapixel, Outdoor, PoE 802.3af,
Day & Night, IR LEDs, WDR

Fixed Dome Camera Comparison				
Model	FCS-3053	FCS-3054	FCS-3056	FCS-3055
Sensor Max Resolution	CMOS 3M, 15fps at 2048 x 1536	CMOS 3M, 15fps at 2048 x 1536	CMOS 3M, 15 fps at 2048 x 1536	CMOS 3M, 15fps at 2048 x 1536
AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG
Lens type	Fixed focal, f3.6mm / F1.8, Fixed iris, Fixed focus	Fixed focal, f2.93mm / F2.0, Fixed iris, Fixed focus	Vari-focal, f2.8-12mm/F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus
Horizontal viewing Angle	72.0°	83.3°	70.5°-28.2°	70.5°-28.2°
ICR (IR-Cut Filter Removal)	V	-	V	V
IRLED /Type/ Distance	20M	-	30M	30M
Digital Noise Reduction	2DNR	2DNR	2DNR	2DNR
Wide Dynamic Range	-	-	-	Basic WDR (74 dB)
Pan/Tilt/Zoom	Digital Zoom to very high detail available on Software	Digital Zoom to very high detail available on Software	Digital Zoom to very high detail available on Software	Digital Zoom to very high detail available on Software
Power Input	802.3af PoE	802.3af PoE	802.3af PoE	802.3af PoE
Audio	-	-	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)
Local storage	-	MicroSDHC/MicroSDXC memory card slot (card not included)	MicroSDHC/ MicroSDXC card slot (card not included)	MicroSDHC/MicroSDXC memory card slot (card not included)
Operation Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)
Approvals	CE, FCC	CE, FCC, IK08	CE, FCC, IK09	CE, FCC, IP67, IK10, NEMA 4X



FCS-3063
Fixed Dome Network Camera,
5-Megapixel, PoE 802.3af, Day &
Night, IR LEDs, WDR



FCS-3064
Fixed Dome Network Camera,
5-Megapixel, PoE 802.3af, Day &
Night, IR LEDs, WDR



FCS-3065
Fixed Dome Network Camera,
5-Megapixel, PoE 802.3af, WDR



FCS-3071
Fixed Dome Network Camera,
2-Megapixel, 802.3af PoE

Fixed Dome Camera Comparison				
Model	FCS-3063	FCS-3064	FCS-3065	FCS-3071
Sensor Max Resolution	CMOS 5M, 15fps at 2592 x 1944	CMOS 5M, 15fps at 2592 x 1944	CMOS 5M, 15fps at 2592 x 1944	CMOS 2M, 15fps at 1920 x 1080
AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MPEG4, MJPEG
Lens type	Fixed focal, f3.6mm / F1.8, Fixed iris, Fixed focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Fixed focal, f1.9mm / F2.8, Fixed iris, Fixed focus	Fixed Focal, f4mm / F1.5, Fixed iris, Fixed focus
Horizontal viewing Angle	72.0°	69.2°-28.2°	126.9° (overview area), 77.4° (high detail area)	78°
ICR (IR-Cut Filter Removal)	V	V	-	-
IRLED /Type/ Distance	30M	30M	-	-
Digital Noise Reduction	2DNR	2DNR	2DNR	3DNR
Wide Dynamic Range	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (74 dB)	-
Pan/Tilt/Zoom	Digital Zoom to very high detail available on Software	Digital Zoom to very high detail available on Software	Digital Zoom to very high detail available on Software	8X Digital Zoom
Power Input	802.3af PoE	802.3af PoE	802.3af PoE	802.3af PoE
Audio	-	2-way (Line-in, Line-out)	-	-
Local storage	-	MicroSDHC/MicroSDXC memory card slot (card not included)	MicroSDHC/MicroSDXC memory card slot (card not included)	MicroSDHC/MicroSDXC memory card slot (card not included)
Operation Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)
Approvals	CE, FCC	CE, FCC, IK09	CE, FCC, IK08	CE, FCC, IP66

ONVIF



FCS-3072
Fixed Dome Network Camera,
5-Megapixel, Outdoor, PoE 802.3af,
WDR, Vandalproof, Vibrationproof

ONVIF



FCS-3081
Fixed Dome Network Camera,
2-Megapixel, 802.3af PoE, Day &
Night, IR LEDs

ONVIF



FCS-3082/FCS-3083
Fixed Dome Network Camera,
3/5-Megapixel, Outdoor, PoE 802.3af,
Day & Night, IR LEDs, WDR

ONVIF



FCS-3092
Panoramic Dome Network Camera,
5-Megapixel, PoE 802.3af, WDR

Fixed Dome Camera Comparison				
Model	FCS-3072	FCS-3081	FCS-3082 / FCS-3083	FCS-3092
Sensor Max Resolution	CMOS 5M , 15fps at 2592 x 1944	CMOS 2M, 15fps at 1920 x 1080	CMOS 3/5M, 20/15fps at 2048 x 1536/2592 x 1944	CMOS 5M , 15fps at 2592 x 1944
AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MPEG4, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG
Lens type	Fixed focal, f1.9mm / F2.8, Fixed iris, Fixed focus	Vari focal, f3-9mm / F1.2, Fixed iris, Fixed focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Fixed focal, f1.19mm / F2.0, Fixed iris, Fixed focus
Horizontal viewing Angle	126.9° (overview area), 77.4° (high detail area)	103.5°-34.3°	70.5°-28.8°/69.2°-28.2°	180° (overview area), 109.8° (high detail area)
ICR (IR-Cut Filter Removal)	-	V	V	-
IRLED /Type/ Distance	-	25M	30M	-
Digital Noise Reduction	2DNR	3DNR	2DNR	2DNR
Wide Dynamic Range	Basic WDR (74 dB)	Basic WDR (74 dB)	Superior WDR (110 dB) / Basic WDR (74 dB)	Basic WDR (74 dB)
Pan/Tilt/Zoom	Digital Zoom to very high detail available on Software	8X Digital Zoom	Digital Zoom to very high detail available on Software	Digital Zoom to very high detail available on Software
Power Input	802.3af PoE	DC12V / AC24V / 802.3af PoE	802.3af PoE	802.3af PoE
Audio	1-way (Mic-in)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	-
Local storage	MicroSDHC/MicroSDXC memory card slot (card not included)	MicroSDHC/MicroSDXC memory card slot (card not included)	MicroSDHC/MicroSDXC memory card slot (card not included)	MicroSDHC/MicroSDXC memory card slot (card not included)
Operation Temperature	-20°C ~ 50°C (-4°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)
Approvals	CE, FCC, IP68, IK10, NEMA 4X, EN50155-ready (without certificate)	CE, FCC, IP66,	CE, FCC, IP67, IK10, NEMA 4X	CE, FCC, IK08

ONVIF



FCS-3093
Panoramic Dome Network Camera,
5-Megapixel, Outdoor, PoE 802.3af,
WDR, Vandalproof, Vibrationproof

ONVIF



FCS-3094
Panoramic Dome Network Camera,
10-Megapixel, PoE 802.3af, Day &
Night, WDR

ONVIF



FCS-3101
Fixed Dome Network Camera,
2-Megapixel, 802.3af PoE, Day &
Night, IR LEDs

ONVIF

NEW



FCS-3102
Fixed Dome Network Camera, 2-Megapixel, Outdoor, PoE 802.3af, Day & Night, IR LEDs, WDR, 3DNR

Fixed Dome Camera Comparison				
Model	FCS-3093	FCS-3094	FCS-3101	FCS-3102
Sensor Max Resolution	CMOS 5M , 15fps at 2592 x 1944	CMOS 10M, 7fps at 3648 x 2736	CMOS 2M, 30fps at 1920 x 1080	CMOS 2M, 30 fps at 1920x1080
AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG
Lens type	Fixed focal, f1.19mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f1.37mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f4mm / F2, Fixed iris, Fixed focus	Board lens, fixed-focal, f=4.0 mm/F2.0
Horizontal viewing Angle	180° (overview area), 109.8° (high detail area)	180° (overview area), 109.8° (high detail area)	62°	62°
ICR (IR-Cut Filter Removal)	-	V	V	V
IRLED /Type/ Distance	-	-	10M	10M
Digital Noise Reduction	2DNR	2DNR	2DNR	3DNR
Wide Dynamic Range	Basic WDR (74 dB)	Basic WDR (70 dB)	Basic WDR (74 dB)	Basic WDR (74 dB)
Pan/Tilt/Zoom	Digital Zoom to very high detail available on Software	Digital Zoom to very high detail available on Software	-	Digital Zoom to very high detail available on Software
Power Input	802.3af PoE	DC 12V / 802.3af PoE	DC12V 1.5A / AC24V / 802.3af PoE	DC12V 1.5A / AC24V / 802.3af PoE
Audio	1-way (Mic-in)	2-way (Line-in, Line-out)	1-way (Built-in Microphone)	1-way audio (Built-in microphone)
Local storage	MicroSDHC/MicroSDXC memory card slot (card not included)	MicroSDHC/MicroSDXC memory card slot (card not included)	MicroSDHC memory card slot (card not included)	MicroSDHC card slot (card not included)
Operation Temperature	-20°C ~ 50°C (-4°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)
Approvals	CE, FCC, IP68, IK10, NEMA 4X, EN50155-ready (without certificate)	CE, FCC	CE, FCC	CE, FCC

ONVIF

NEW

ONVIF

NEW



FCS-4201
Zoom Network camera, 2-Megapixel,
802.3af PoE, Day & Night, IR LEDs, 3x
Optical Zoom, WDR



FCS-4202
Zoom Network camera, 2-Megapixel,
802.3af PoE, Day & Night, IR LEDs, 3x
Optical Zoom, WDR, Outdoor

Zoom Camera Comparison		
Model	FCS-4201	FCS-4202
Sensor Max Resolution	CMOS 2M, 30 fps at 1920x1080	CMOS 2M, 30 fps at 1920x1080
AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES
Compression	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG
Lens type	Board lens, fixed-focal, f=4.0 mm/F2.0	Board lens, Fixed-focal, f=4.0 mm/F2.0
Horizontal viewing Angle	62°	62°
ICR (IR-Cut Filter Removal)	V	V
IRLED /Type/ Distance	10M	10M
Digital Noise Reduction	2DNR / 3DNR	2DNR / 3DNR
Wide Dynamic Range	Basic WDR (74 dB)	Basic WDR (74 dB)
Pan/Tilt/Zoom	3X Optical Zoom	3X Optical Zoom
Power Input	DC12V 1.5A / 802.3af PoE	DC12V 1.5A / 802.3af PoE
Audio	2-way audio (Built-in microphone)	2-way audio
Local storage	MicroSDHC card slot (card not included)	MicroSDHC card slot (card not included)
Operation Temperature	0°C ~ 40°C	0°C ~ 40°C
Approvals	CE, FCC	CE, FCC

PT Dome Camera

- Support unique features for auto tracking function of moving objects

ONVIF

ONVIF

NEW



FCS-4101
PT Dome Network Camera,
2-Megapixel, 802.3af PoE, Day &
Night, IR LEDs



FCS-4102
PT Dome Network Camera,
2-Megapixel, Outdoor, PoE 802.3af,
Day & Night, IR LEDs, WDR, 3DNR

PT Dome Camera Comparison		
Model	FCS-4101	FCS-4102
Sensor Max Resolution	CMOS 2M, 30fps at 1920 x 1080	CMOS 2M, 30 fps at 1920 x 1080
AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES
Compression	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG
Lens type	Fixed focal, 4mm / F2, Fixed iris, Fixed focus	Board lens, Fixed-focal, f=4.0 mm/F2.0
Horizontal viewing Angle	62°	62°
ICR (IR-Cut Filter Removal)	V	V
IRLED /Type/ Distance	10M	10M
Digital Noise Reduction	2DNR	3DNR
Wide Dynamic Range	Basic WDR (74 dB)	Basic WDR (74 dB)
Pan/Tilt/Zoom	200° / 70° / -	200° / 70° / -
Power Input	DC12V 1.5A / AC24V / 802.3af PoE	DC12V 1.5A / AC24V / 802.3af PoE
Audio	1-way (Built-in Microphone)	1-way audio (Built-in microphone)
Local storage	MicroSDHC memory card slot (card not included)	MicroSDHC card slot (card not included)
Operation Temperature	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)
Approvals	CE, FCC	CE, FCC

PTZ Dome Camera

- Supports 2-way audio
- Digital I/O for External Sensor and Alarm
- Bundled with 64-Channel LevelOne IP CamSecure



FCS-4043
PTZ Dome Network Camera,
3-Megapixel, Outdoor, PoE 802.3af,
Day & Night, 10x, WDR



FCS-4044
PTZ Dome Network Camera,
5-Megapixel, PoE 802.3af, Outdoor,
Day & Night, 10x



FCS-4041
PTZ Dome Network Camera, 2-Megapixel,
Outdoor, 802.3at PoE Plus, Day & Night,
18x, WDR



FCS-4042
PTZ Network Camera, 2-Megapixel,
PoE-Plus 802.3af/at, Outdoor, Day &
Night, 30x, WDR

PTZ Dome Cameras Comparison				
Model	FCS-4043	FCS-4044	FCS-4041	FCS-4042
Sensor Max Resolution	CMOS 3M, 15fps at 2048 x 1536	CMOS 5M, 15fps at 2592 x 1944	CMOS 2M, 30fps at 1920 x 1080	CMOS 2M, 30fps at 1920 x 1080
AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264, MJPEG	H.264 High Profile, MJPEG
Lens type	Zoom, f4.9-49mm / F1.8-3.0, DC iris, Auto focus	Zoom, f4.9-49mm / F1.8-3.0, DC iris, Auto focus	Zoom, f4.7-84.6mm / F1.6-2.8, auto iris, Auto focus	Zoom, f4.3-129mm / F1.6-5.0, DC iris, Auto focus
Horizontal viewing Angle	49.6°-5.6°	49.7°-5.8°	55.2°-5.2°	66.4°-2.61°
ICR (IR-Cut Filter Removal)	V	V	V	V
IRLED /Type/ Distance	-	-	-	-
Digital Noise Reduction	2DNR	2DNR	2DNR / 3DNR	2DNR / 3DNR
Wide Dynamic Range	Superior WDR (110 dB)	Basic WDR (74 dB)	Basic WDR (74 dB)	Extreme WDR (145 dB)
Pan/Tilt/Zoom	-175° ~ 175° Pan / 0° ~ 180° Tilt, 10X Optical Zoom	-175° ~ 175° Pan / 0° ~ 180° Tilt, 10X Optical Zoom	360° Pan / -10° ~ 190° Tilt, 18X Optical Zoom	360° Pan / -20° ~ 200° Tilt, 30X Optical Zoom, 16X Digital Zoom
Power Input	DC12V / 802.3af PoE	DC12V / 802.3af PoE	PoE-Plus 802.3at / 24VAC (Heater needs powered by 24VAC)	AC24V / 802.3at PoE
Audio	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)
Local storage	MicroSDHC/MicroSDXC memory card slot (card not included)	MicroSDHC/MicroSDXC memory card slot (card not included)	MicroSDHC memory card slot (card not included)	MicroSDHC/MicroSDXC memory card slot (card not included)
Operation Temperature	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)
Approvals	CE, FCC, IP67, NEMA 4X	CE, FCC, IP67, NEMA 4X	CE, FCC, IP66	CE, FCC, IP67, IK09, NEMA 4X



NEW



NEW



FCS-4301
PTZ Dome Network Camera, 2-Megapixel,
802.3af PoE, IR LEDs, Day & Night, PTZ, 3x
Optical Zoom, WDR



FCS-4302
PTZ Dome Network Camera, 2-Megapixel,
802.3af PoE, Day & Night, IR LEDs, PTZ, 3x
Optical Zoom, WDR, Outdoor

PTZ Dome Cameras Comparison		
Model	FCS-4301	FCS-4302
Sensor Max Resolution	CMOS 2M, 30 fps at 1920x1080	CMOS 2M, 30 fps at 1920x1080
AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES
Compression	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG
Lens type	Board lens, fixed-focal, f=4.0 mm/F2.0	Board lens, Fixed-focal, f=4.0 mm/F2.0
Horizontal viewing Angle	62°	62°
ICR (IR-Cut Filter Removal)	V	V
IRLED /Type/ Distance	10M	10M
Digital Noise Reduction	2DNR / 3DNR	2DNR / 3DNR
Wide Dynamic Range	Basic WDR (74 dB)	Basic WDR (74 dB)
Pan/Tilt/Zoom	200° Pan / 70° Tilt, 3X Optical Zoom	200° Pan / 70° Tilt, 3X Optical Zoom
Power Input	DC12V 1.5A / 802.3af PoE	DC12V 1.5A / 802.3af PoE
Audio	2-way audio (Built-in microphone)	2-way audio
Local storage	MicroSDHC card slot (card not included)	MicroSDHC card slot (card not included)
Operation Temperature	0°C ~ 40°C	0°C ~ 40°C
Approvals	CE, FCC	CE, FCC

Optional Accessories

LevelOne offers a wide range of optional accessories to help users set up a complete IP surveillance solution.



Model: CAS-2101
Description: Mount Kit for all Dome Cameras
Works with: FCS-3053/FCS-3055/
 FCS-3063/FCS-3064/FCS-3082/
 FCS-3083/FCS-3094/FCS-4043/
 FCS-4044



Model: CAS-2313
Description: Wall Mount for Indoor Domes
Works with: FCS-3053/FCS-3063/
 FCS-3064/FCS-3094



Model: CAS-2314
Description: Wall Mount for Outdoor Domes
Works with: FCS-3055/FCS-3082/
 FCS-3083



Model: CAS-2316
Description: Wall mount for mini dome mini fisheye
Works with: FCS-3065/FCS-3072/
 FCS-3092/FCS-3093



Model: CAS-2504
Description: Pole Mount
Works with: FCS-5054/FCS-5055/
 FCS-5065



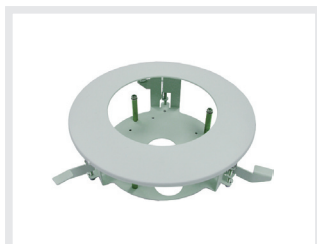
Model: CAS-3000
Description: Outdoor Housing
Works with: FCS-3081



Model: CAS-3001
Description: Flush Mount Kit
Works with: FCS-3055/FCS-3064/
 FCS-3082/FCS-3083



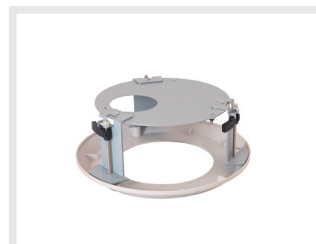
Model: CAS-3002
Description: Flush Mount Kit
Works with: FCS-3053/FCS-3063



Model: CAS-3003
Description: Flush Mount Kit
Works with: FCS-3094



Model: CAS-3004
Description: Flush Mount Kit
Works with: FCS-4043/FCS-4044



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-3103
Description: Wall Mount Bracket
Works with: FCS-5053/FCS-5056/
 FCS-5057/FCS-5063/FCS-5064



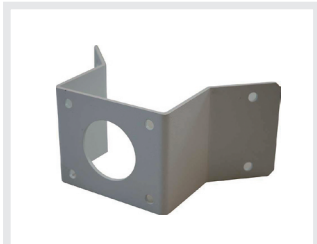
Model: CAS-3104
Description: Bracket for Indoor Box Cameras
Works with: FCS-1152



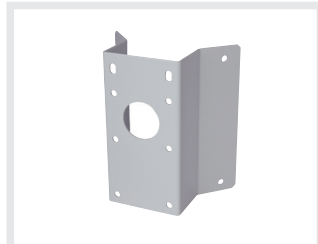
Model: CAS-3105
Description: Bracket for Zoom Box Cameras
Works with: FCS-1150/FCS-1160



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



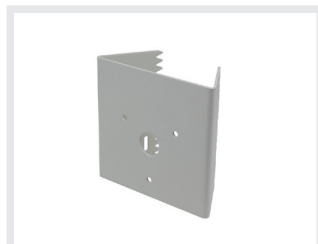
Model: CAS-3281
Description: Wall Box Mount
Works with: FCS-4041



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



Model: CAS-3030
Description: IR Illuminator (30m, 80° view angle, IP66 Housing)



Model: CAS-3300
Description: Ceiling Bracket
Works with: FCS-5055/FCS-5065



Model: CAS-4312
Description: Wall Mount Bracket, Cable Management
Works with: FCS-4042

Lens



CAS-1300
Vari-focal Lens, Megapixel, Day & Night,
2.8-8.5mm

- 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
Vari-focal Lens, 2-Megapixel, Day & Night,
2.8-12mm

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

Outdoor Enclosure



BOH-1400
Camera PoE Outdoor Enclosure

- Weatherproof IP66-rated with wide operating temperature (-20°C to 50°C) for harsh environments
- Vandal-proof IK10-rated housing
- Power support: High Power PoE
- Works with LevelOne POI-4000 & FSW-0513



BOH-1401
Camera PoE Outdoor Enclosure, IR LEDs

- Weatherproof IP66-rated with wide operating temperature (-20°C to 50°C) for harsh environments
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 50m
- Power support: High Power PoE
- Works with LevelOne POI-4000 & FSW-0513



BOH-1410
Camera PoE Outdoor Enclosure,
FEVE Coating

- FEVE coating application enhance UV and acid protection
- Weatherproof IP66-rated with wide operating temperature (-20°C to 50°C) for harsh environments
- Vandal-proof IK10-rated housing
- Power support: High Power PoE
- Works with LevelOne POI-4000 & FSW-0513



BOH-1411
Camera PoE Outdoor Enclosure, IR LEDs,
FEVE Coating

- FEVE coating application enhance UV and acid protection
- Weatherproof IP66-rated with wide operating temperature (-20°C to 50°C) for harsh environments
- Vandal-proof IK10-rated housing
- Built-in infrared LEDs for night viewing up to 50m
- Power support: High Power PoE
- Works with LevelOne POI-4000 & FSW-0513



DOH-1000
Domed Outdoor Housing

- Designed for Indoor/outdoor applications
- IP66 rated camera outdoor dome housing
- Lightweight for Mounting on the wall
- Easy access for service and installation
- Withstands severe weather
- Low Cost



DOH-1100
Heavy-Duty Domed Outdoor Housing

- Heavy-duty aluminium dome for outdoor and indoor installation
- 2-layer dome design keeps cameras cool
- Special fluorocarbon coating resists harsh acids and bases (i.e. salt water)
- Auto-sensing fan and heater for internal temperature control
- Vandal-proof polycarbonate cover
- IP-66 rated protection level

The LevelOne OneSecure software series has been developed by LevelOne to provide more advanced features for digital surveillance systems. The OneSecure solution provides full camera control and support for all LevelOne cameras as well as devices from other manufacturers.

General		OneSecure	
Full Name	OneSecure Video Management Software		
Maximum Number of Clients	1 local, 5 remote (concurrent)		
Maximum Number of Cameras	100		
Free License	64 channels		
Compression	H.264, MPEG-4, MJPEG		
Live View			
Display Layout Mode	Local display: 1, 4, 5, 6, 8, 9, 10, 12, 16 Remote client display: 1, 4, 5, 6, 8, 9, 10, 12, 16, 18, 24, 25, 35, 36, 48, 49, 64		
View Manager	An interface to define display layouts and the pre-set cameras within layout in the public or private view		
View Patrol	Automatic switch between different views or devices		
View Panel	Contains the list of pre-defined views for quick launch		
Device Panel	Drag and drop video source from device panel into display layout; display camera status		
Digital Zoom	Zoom in/out digitally by mouse scroll wheel or by zoom control buttons		
Manual Recording / Snapshot	Instant recording upon mouse click / Instant snapshot upon mouse click or hot key		
Event Panel	Display event status upon alarm or upon connection loss or recovery between server and client or when the allocated disk space is full		
Two-way Audio	Audio sound from and to all the audio supported devices; audio broadcast to multiple devices at the same time		
Dual Stream Management	Live view of stream 1 or stream 2 of dual stream devices		
Instant Playback	Instant playback in live view window		
e-Map			
Layout	Area maps with camera icons, small live view windows; hyperlinked		
Setup	e-Map image upload; camera positioning; vision angle and pointed direction of camera; view positioning; source positioning		
PTZ Mode	Mouse PTZ mode to control e-Map video streams		
PTZ			
Control	Pan, tilt and zoom controls; speed control; both buttons and overlay controls		
Preset Points and Tours	Create preset points; create auto tours between preset points		
Number of Preset Points	32		
Joystick	USB based joystick supported		
Support Protocol	Auto-detect camera's PTZ protocol. Available protocols: Pelco-P, Pelco-D, Dynacolor, Visca		
Recording			
Scheduled Recording	Record video with user defined schedule		
Event Recording	Record video when the alarm event is triggered, including the pre-event buffered video clip		
Speed Up	Different recording frame rate settings for non-event and triggered event		
Manual Recording	Instant recording upon mouse click		
Pre-Event Recording	User-defined time period to record before event occurs. The maximum buffer is 5 seconds		
Post-Event Recording	User-defined time period to record after event occurs. The maximum buffer is 300 seconds		
Dual Stream Management	Recording of stream 1 or stream 2 of dual stream devices		
Search & Playback			
Recording Search	Search video recordings by time, event, channel and listed as clickable thumbnails for full-size view and snapshot download		
Playback Control	Continuous forward and backward playback with speeds 1x/2x/4x/8x or frame-by-frame; pause; stop		
Synchronized Playback	100 channels		
Manual Snapshot	Instant snapshot from playback upon mouse click		
Digital Zoom	Zoom in/out digitally by PiP (Picture-in-Picture)		
Video Export	Export video clips in AVI or RAW format; text overlay supported		
Event Management			
Event Trigger	Video motion detection; Passive IR sensor; External device through digital input; Video loss and recovery; Network loss and recovery; Server loss and recovery; Disk full; Disk not found		
Event Response	Record video; Pop-up window with live video; Switch to hotspot window; Play beep sound; Activate external device through digital output; Upload snapshot to FTP server; Execute system command to activate other programs; E-mail notification with snapshots; Command a PTZ device to go to a preset point		
Manual Event	Manually activate external devices through digital output via live view monitor		
Event Handling	Define the schedule of event manager		
System			
Permission Control	Unlimited number of users, Active Directory, Customizable permissions for user groups		
Language	Multi-language support		
Language Import/Export	Possibility to import or export language packs for convenient local language management		
Customizable User Interface	Define the layout of user interface for live view and playback		
Quick Setup	Configure basic settings of NVR		
Remote Access			
PC Client Program	User interface program (Workstation) with live view, PTZ, playback, e-Map, event management, setup		
PC Web Browser	Microsoft Internet Explorer with live view, PTZ, playback, e-Map, event management, setup		
Mobile Client Program	Mobile device application (Active Mobile Client) supports live view, PTZ control, event or time based search and playback Supported devices: iPhone, iPad, iTouch and Android device		
Display Mode	Live Layout	Minimum	Recommended
Server PC with Local Client	1-16	Intel Core 2 Quad 2.4 GHz, 4GB RAM	Intel i5 2.4 GHz, 4GB RAM
	17-100	Intel i5 2.4 GHz, 4GB RAM	Intel i7-920 2.67 GHz, 4GB RAM
Server PC without Local Client	0	Intel Core 2 Quad 2.4 GHz, 4GB RAM	Intel i5 2.4 GHz, 4GB RAM
Remote Client PC	1-16	Intel Core 2 Quad 2.4 GHz, 4GB RAM	Intel i5 2.4 GHz, 4GB RAM
	17-64	Intel i5 2.4 GHz, 4GB RAM	Intel i7-920 2.67 GHz, 4GB RAM
PC Operating System	Windows 7, Windows 8, Windows Server 2012		
PC Web Browser	Internet Explorer 8, Internet Explorer 9, Internet Explorer 10		
Integration			
Unified Solution	Fully compatible with LevelOne cameras, encoders and CMS 2.0		
ISV CMS Integration	Software Development Kit (SDK) available		

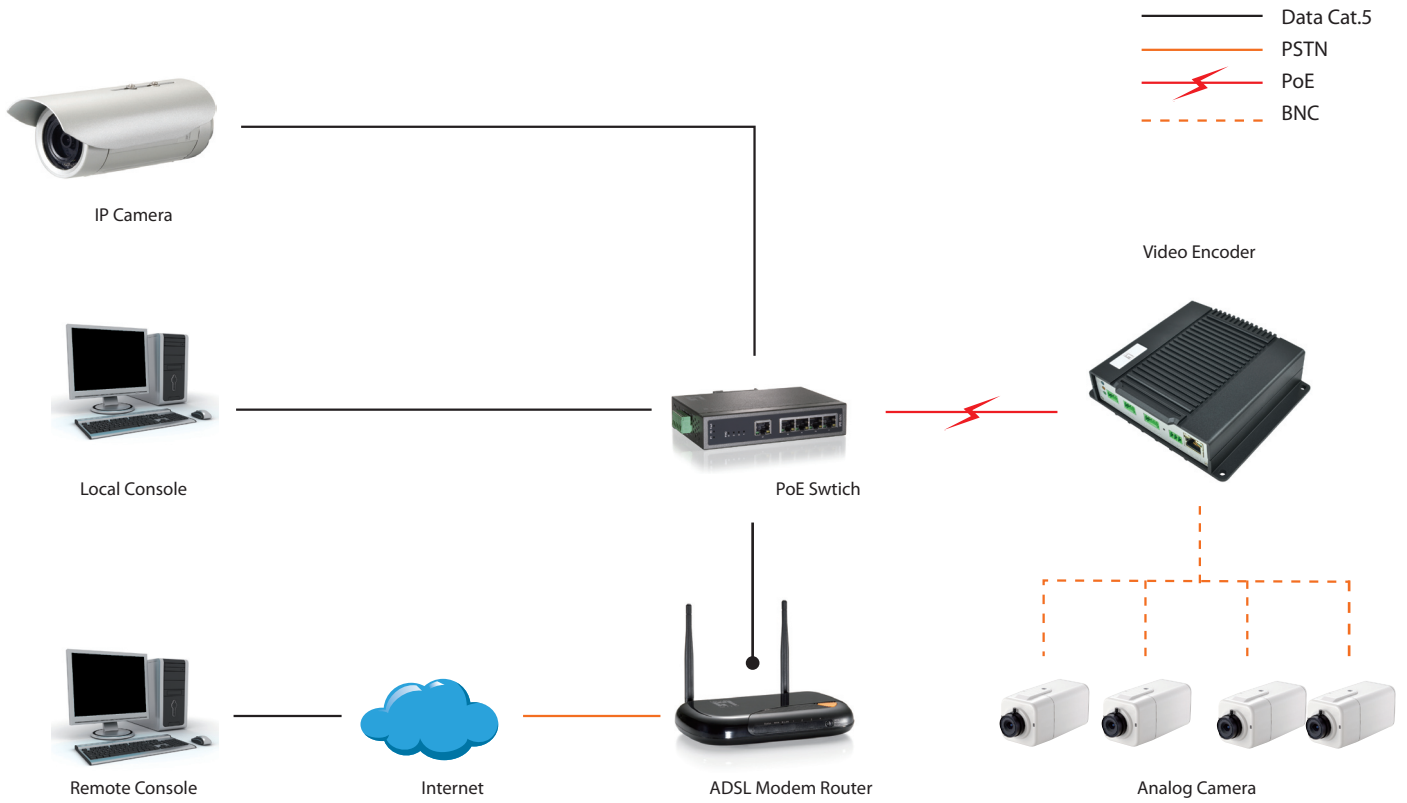
* These specifications are based on following camera settings: Single stream mode: 1280x1024, 3Mbps, 18fps, MPEG-4

Dual stream mode:

Stream 1 : 1280x1024, 3Mbps, 18fps, H.264

Stream 2 : 640x480, High Quality, 18fps, MJPEG

For more details about system requirements, please refer to Project Planner on <http://global.level1.com/>



FCS-7001
Video Encoder, 1-Channel, PoE 802.3af

- 1 channel up to 30fps in D1 resolution
- Real time H.264 High profile, MJPEG compression
- Dual Stream simultaneously
- Powered by DC12; 802.3af
- 2 Way Audio (line in, Line-out)
- free bundle 64 channel software with Smart Search
- IE 8, IE 9, IE 10, IE 11, Firefox with VLC, Chrome with VLC, Safari with Quicktime



FCS-7004
Video Encoder, 4-Channel, PoE 802.3af

- 4 channels up to 30fps in D1 resolution per channel – total 120fps
- Real time H.264 High profile, MJPEG compression
- Dual Stream simultaneously
- Powered by DC12; 802.3af
- 2 Way Audio (line in, Line-out)
- 2 way Audio (Line, line out) X4
- free bundle 64 channel software with Smart Search
- IE 8, IE 9, IE 10, IE 11, Firefox with VLC, Chrome with VLC, Safari with Quicktime
- DI/DO X4
- RS-485 & RS-422
- MicroSD/MicroSDHC/MicroSDXC memory card slot (card not included)

Key Features

- HDMI local display – different display mode according to number of channels.
- 4channel, 9 channels, 16 channels – free bundle software –no additional licensing.
- Support H.264 Compression.
- Video Resolution supported:
Recording up to 10MP resolution
Display – Up to 4-Megapixel (local display), Up to 10-Megapixel (remote display)
- Recording throughput – 30 fps per channel – 120fps, 270fps, 480 fps total per model.
- Support – scheduled recording, event recording, event speed-up recording,
- 2-bay Desktop –3.5 inch Serial ATA – support up to 8TB total.
- Export snapshot, video with RAW and AVI formats
- Event trigger, response and notification
- Mobile Client, Web Client
- Multi-language support.



NVR-1204
Network Video Recorder, 4-Channel



NVR-1209
Network Video Recorder, 9-Channel



NVR-1216
Network Video Recorder, 16-Channel



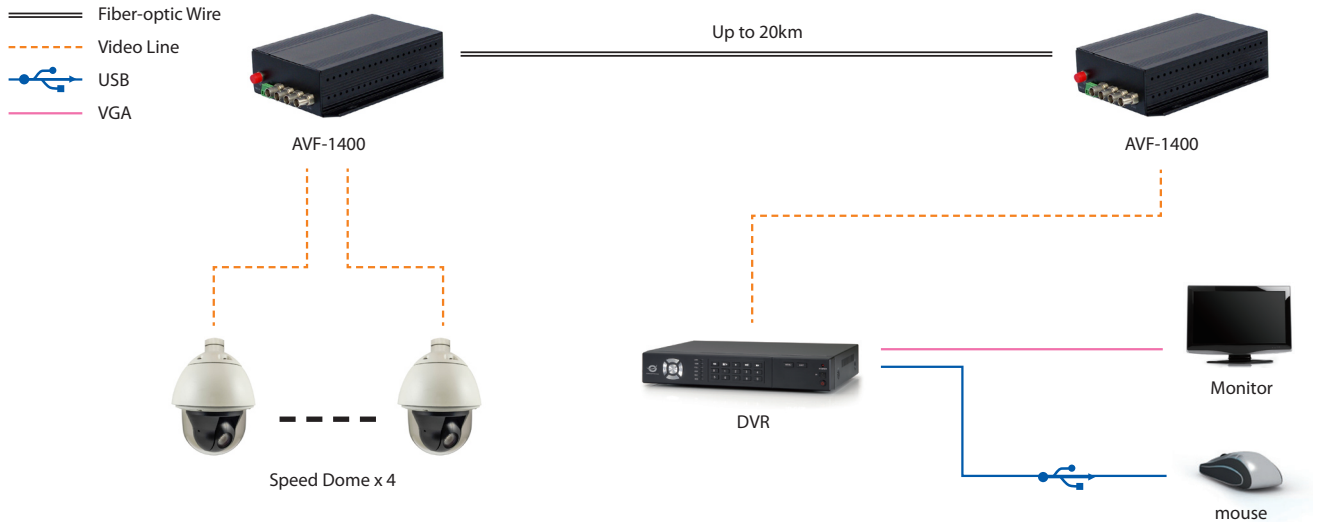
NVR-0316
Network Video Recorder, 16-Channel

Model	NVR-1204	NVR-1209	NVR-1216	NVR-0316
Product Type	Standalone NVR	Standalone NVR	Standalone NVR	Standalone NVR
Maximum Number of Cameras	4	9	16	16
Maximum Number of Clients	1 local, 2 remote	1 local, 2 remote	1 local, 2 remote	1 local, 4 remote
Free License	4	9	16	16
Video Resolution	Up to 4-Megapixel (Local display), Up to 10-Megapixel (Remote display)	Up to 4-Megapixel (Local display), Up to 10-Megapixel (Remote display)	Up to 4-Megapixel (Local display), Up to 10-Megapixel (Remote display)	Up to 2-Megapixel (Local display), Up to 5-Megapixel (Remote display)
Compression	H.264	H.264	H.264	H.264 / MPEG-4 / MJPEG
Multi-Streaming	Dual streams	Dual streams	Dual streams	Dual streams
Network Connector	RJ-45	RJ-45	RJ-45	RJ-45
Scheduled Recording	V	V	V	V
Event Recording	V	V	V	V
Manual Recording	V	V	V	V
Speed Up	V	V	V	V
Recording Throughput	16 Mbps	36 Mbps	48 Mbps	64 Mbps
HDD Interface	Maximum 2 SATA disks; Options to have empty bays or one 1TB storage disk included	Maximum 2 SATA disks; Options to have empty bays or one 2TB storage disk included	Maximum 2 SATA disks; Options to have empty bays or one 2TB storage disk included	Maximum 2 SATA disks; Options to have empty bays or one 2TB storage disk included
Display Layout Mode	Local: 1, 2, 4 Remote: 1, 2, 4	Local: 1, 2, 4, 9, 1+5, 1+7, 2+4 Remote: 1, 2, 4, 9, 1+5, 1+7, 2+4	Local: 1, 2, 4, 9, 12, 16, 1+5, 1+7, 1+12, 2+4, 2+8 Remote: 1, 2, 4, 9, 12, 16, 1+5, 1+7, 1+12, 2+4, 2+8	Local: 1, 2, 4, 9, 12, 16, 1+5, 1+7, 1+12, 2+4, 2+8 Remote: 1, 2, 4, 9, 12, 16, 1+5, 1+7, 1+12, 2+4, 2+8
Digital Zoom	V	V	V	V
Event Status	Display event status upon alarm or upon connection loss or recovery between server and client	Display event status upon alarm or upon connection loss or recovery between server and client	Display event status upon alarm or upon connection loss or recovery between server and client	Display event status upon alarm or upon connection loss or recovery between server and client
Instant Playback	Instant Playback in live view window (Remote client)	Instant Playback in live view window (Remote client)	Instant Playback in live view window (Remote client)	Instant Playback in live view window (Remote client)
PTZ Control	V	V	V	V
Playback Control	Continuous forward and backward playback with speeds 0.5x/1x/2x/4x/8x/16x/32x; pause; stop	Continuous forward and backward playback with speeds 0.5x/1x/2x/4x/8x/16x/32x; pause; stop	Continuous forward and backward playback with speeds 0.5x/1x/2x/4x/8x/16x/32x; pause; stop	Continuous forward and backward playback with speeds 0.5x/1x/2x/4x/8x/16x/32x; pause; stop
Synchronized Playback	4 channels	9 channels	16 channels	16 channels
Local Access	HDMI monitor, USB keyboard & mouse	HDMI monitor, USB keyboard & mouse	HDMI monitor, USB keyboard & mouse	HDMI monitor, USB keyboard & mouse
Remote Access	Web Client (IE), Mobile Client (iOS & Android)	Web Client (IE), Mobile Client (iOS & Android)	Web Client (IE), Mobile Client (iOS & Android)	Web Client (IE), Mobile Client (iOS & Android)
Event Trigger	Video motion detection; External device through digital input; Network loss and recovery	Video motion detection; External device through digital input; Network loss and recovery	Video motion detection; External device through digital input; Network loss and recovery	Video motion detection; External device through digital input; Network loss and recovery
Event Response	Record video; Beep; Digital output; E-mail with snapshots; Event logging; Go to PTZ preset point	Record video; Beep; Digital output; E-mail with snapshots; Event logging; Go to PTZ preset point	Record video; Beep; Digital output; E-mail with snapshots; Event logging; Go to PTZ preset point	Record video; Beep; Digital output; E-mail with snapshots; Event logging; Go to PTZ preset point
Permission Control	Unlimited number of users, Customizable permissions for user groups	Unlimited number of users, Customizable permissions for user groups	Unlimited number of users, Customizable permissions for user groups	Unlimited number of users, Customizable permissions for user groups
Video Export	USB	USB	USB	USB
Server Operating System	Embedded Linux	Embedded Linux	Embedded Linux	Embedded Linux
Client PC Operating System	Windows 8, Windows 7	Windows 8, Windows 7	Windows 8, Windows 7	Windows 8, Windows 7
PC Web Browser	IE 9, IE 10, IE 11	IE 9, IE 10, IE 11	IE 9, IE 10, IE 11	IE 9, IE 10, IE 11
ONVIF Compliant	-	-	-	-
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	5°C ~ 45°C (41°F ~ 113°F)
Approvals	CE, FCC	CE, FCC	CE, FCC	CE, FCC

The LevelOne AVF Video over Fiber Converter series is designed to transmit composite video signals over long distances via optical fiber. An ideal solution for analogue surveillance and Video Wall System applications.

Key Features

- Transmits analogue video signal over single fiber cable
- Uncompressed high quality video transmission
- Transmit up to 20 km without optical attenuation
- No RF interference or signal degradation over optical fiber
- No EMI and electromagnetic interference
- LED indicator status for instance system monitoring
- True Plug & Play design facilitates ease of installation
- Operation temperature -25 to 75 C (-13 to 167 F)



NEW



AVF-1000
BNC over Fiber Extender Kit, RS485, 20km

NEW



AVF-1100
BNC over Fiber Extender Kit, 20km

NEW



AVF-1160
16-Port BNC over Fiber Extender Kit, 20km

NEW



AVF-1160R
16-Port BNC over Fiber Extender Kit, 20km,
Rack-Mount

NEW

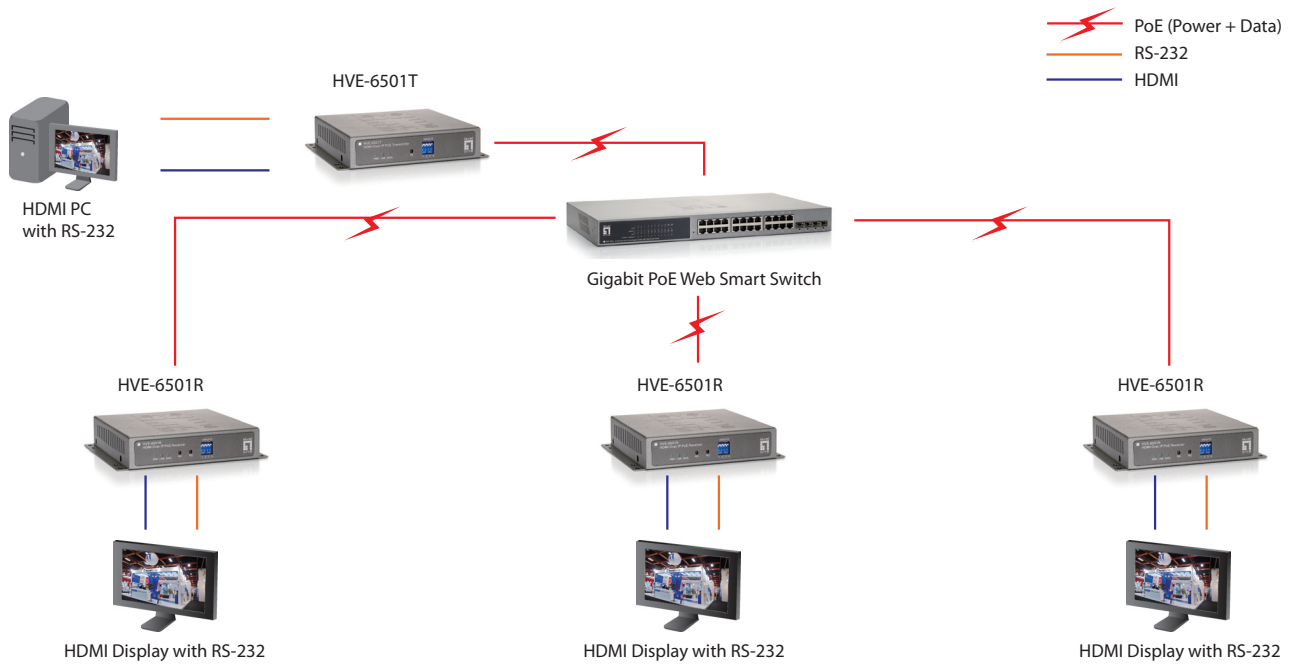


AVF-1200/AVF-1400/AVF-1800
2/4/8-Port BNC over Fiber Extender Kit,
20km

Video Extender Comparison					
Model	AVF-1000	AVF-1100	AVF-1160	AVF-1160R	AVF-1200/AVF-1400/AVF-1800
Operating Distance	20km	20km	20km	20km	20km
Port	1 x BNC	1 x BNC	16 x BNC	16 x BNC	2/4/8 x BNC
RS-485	V	-	-	-	-
Rack-Mount	-	-	-	V	-
Accessory	CVH-2100 : Video Extender Chassis, 18-Slot, 3U, 19"				

LevelOne Digital Signage solutions provide several audio/video extenders allowing users to transmit high -quality signals (VGA, DVI, HDMI) over PoE IP or Cat.5. This solution enable for delivery compelling digital contents to targeted audience in various locations.

HDMI over IP Distribution Solution



HDMI over IP

- Complies with IEEE802.3af standard
- Plug and Play installation allows receivers to find the transmitter automatically in the same network.
- Multi-casting group with Gigabit Ethernet switch (required 802.1Q VLAN & IGMP function)
- Supports Point-to-Point, Point-to-Many and Many-to-Many network configuration
- Up to 16 transmitters and more than 200 receivers possible in a single system (HVE-6501T/HVE-6501R)
- Up to 9 transmitters and 81 receivers possible in a single video wall system (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 Comparison				
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

- Transmission Distance of up to 60m for 1080i or 40m for 1080p
- Easy installation and no software required
- Flexible multi-location audio/video broadcasting
- HDMI 1.3 Enables display with more natural and vivid colors
- HDMI 1.3c compliance(Full 3D support)



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



HVE-9002/HVE-9003
HDSpider™ HDMI over Cat.5 Transmitter with Local HDMI Output (Cascadable- HVE-9003)



HVE-9004
HDSpider™ 4-Port HDMI over Cat.5 Transmitter



HVE-9008
HDSpider™ 8-Port HDMI over Cat.5 Transmitter



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



HVE-9005T/HVE-9005R
HDMI over Cat.5 Extender Kit

HDMI over Cat5 Comparison						
Model	HVE-9001/HVE-9000	HVE-9002/HVE-9003	HVE-9004	HVE-9008	HVE-9900	HVE-9005T/HVE-9005R
Transmitter /Receiver	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

HDBaseT HDMI over Cat.5 Extender Series - HDBaseT, 100m

- Plug and Play - no driver or software installation needed
- Built-in EDID Hotplug Refreshing Function, EDID priority management of HDMI outputs
- Maximum distance of HDMI, IR, and RS-232 up to 100m
- Bi-Directional RS-232 pass through and IR Control
- Supports video resolutions up to Ultra HD 3840 x 2160 (4K x 2K) @ 30Hz and 1080p Full HD
- Full HDCP and HDMI Compliance
- Support Dolby TrueHD, DTS-HD Master Audio, Dolby Digital Plus, LPCM 7.1 audio.
- Support 3D, CEC & Lip Sync pass-through
- Screw-in power socket for added safety



HVE-9200
Extender Kit



HVE-9200P
Extender Kit with 802.3af PoE



HVE-9211PR
Receiver with 802.3af PoE



HVE-9211R
Receiver



HVE-9214PT
Transmitter with 4 Channel Outputs & 802.3af PoE



HVE-9214T
Transmitter with 4 Channel Outputs

HDBaseT HDMI over Cat.5 Comparison						
Model	HVE-9200	HVE-9200P	HVE-9211PR	HVE-9211R	HVE-9214PT	HVE-9214T
Transmitter /Receiver	Transmitter / Receiver	Transmitter / Receiver	Receiver	Receiver	Transmitter	Transmitter
RJ-45 Input	1 (Receiver)	1 (Receiver)	1	1	-	-
RJ-45 Output	1 (Transmitter)	1 (Transmitter)	-	-	4	4
HDMI Input	1 (Transmitter)	1 (Transmitter)	-	-	1	1
HDMI Output	1 (Receiver)	1 (Receiver)	1	1	-	-
Audio Support	V	V	V	V	V	V
PoE	-	V	V	-	V	-



Home

Networking

Ethernet Switch	50
Network Adapter	51-52
KVM Switch	53-54

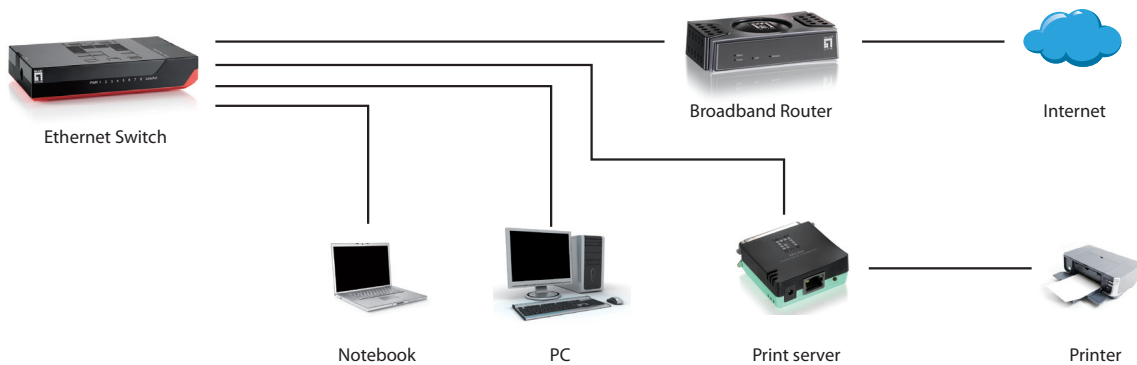
Security

Network Camera	55-56
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Allowing users to either create a Local Area Network (LAN) or connect additional network devices, such as network cameras, storage devices or print servers. The built-in store-and-forward architecture filters errors and forwards packets in a non-blocking environment.

Key Features

- Complies with IEEE 802.3(10Mbps), 802.3u(100Mbps), 802.3ab (1000Mbps)
- Features store-and-forward architecture
- Provides half-duplex and full-duplex auto-detection
- Supports Auto-MDI/MDI-X for each port
- Front-panel diagnostic LEDs
- Wire-speed and non-blocking forwarding rate
- Supports IEEE 802.3x full-duplex / half-duplex backpressure flow control



Unmanaged Fast Ethernet Switch



FSW-0508TX
5-Port Fast Ethernet Switch



FSW-0511
5-Port Fast Ethernet Switch



FSW-0808TX
8-Port Fast Ethernet Switch



FSW-0811
8-Port Fast Ethernet Switch

Unmanaged Gigabit Ethernet Switch



GSW-0507
5-Port Gigabit Ethernet Switch

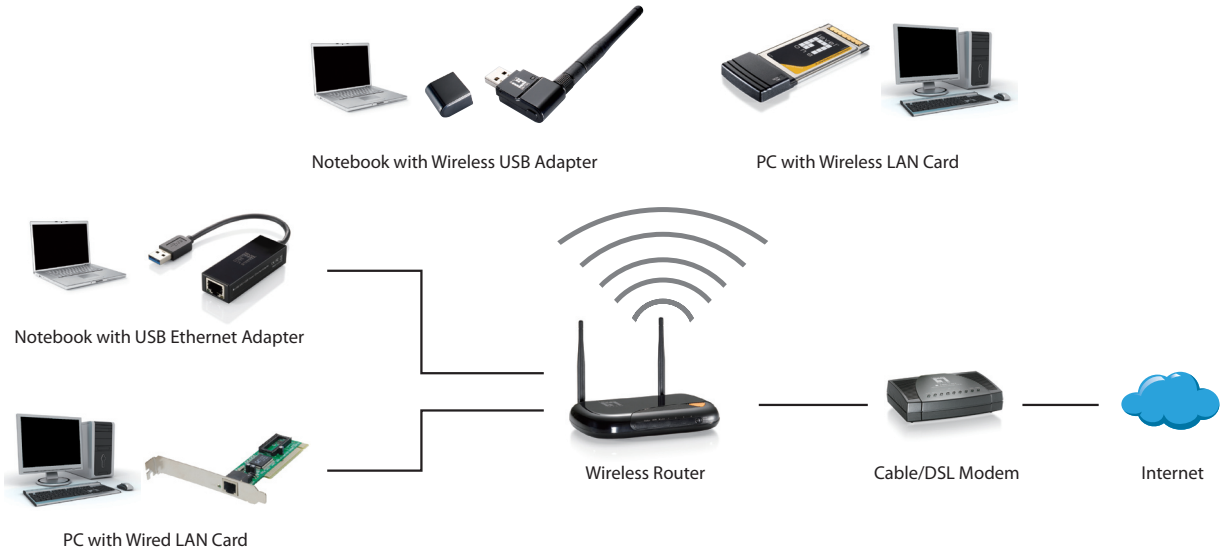


GSW-0807
8-Port Gigabit Ethernet Switch



Ethernet Switch Comparison						
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

The LevelOne USB Network Adapter allow you to connect to the Internet easily through the built-in USB port on your laptop or gaming console. Network PCI Card are highly integrated and cost-effective add-on solution for desktop PC.



Wired Network Adapter

- Complies with IEEE 802.3(10Mbps), 802.3u(100Mbps), 802.3ab (1000Mbps)
- Provides Plug and Play for easy installation



USB-0301
USB Fast Ethernet Adapter



USB-0401
USB Gigabit Ethernet Adapter



USB-0502
Gigabit USB Network Adapter with USB Hub

Wired Network Adapter Comparison			
Model	USB-0301	USB-0401	USB-0502
Interface	USB 2.0	USB 3.0	USB 3.0
Ethernet Port	1 x 10/100Mbps	1x 10/100/1000Mbps	1 x 10/100/1000Mbps
Jumbo Frame	-	4K	4K
Wake-on-LAN	V	V	V
Mac OS Compatible	V	V	V
USB Hub	-	-	3 x USB

Wireless Network Adapter

- Supports Auto-Channel Selection to avoid interference from neighbors
- Supports 64/128-bit WEP, WPA, WPA2 encryption for high level security
- Operation at 2.4GHz frequency band to meet worldwide regulations
- Provides Plug and Play for easy installation



WUA-0614
Wireless USB Network Adapter, 150Mbps 802.11b/g/n, Nano



WUA-0624
Wireless USB Network Adapter, 5dBi Antenna, 150Mbps 802.11b/g/n, Nano



WUA-0605
Wireless USB Network Adapter, 300Mbps 802.11b/g/n

Wireless Network Adapter Comparison			
Model	WUA-0614	WUA-0624	WUA-0605
Interface	USB 2.0	USB 2.0	USB 2.0
Antenna	1 x 2dBi (External Detachable)	1 x 5dBi (External Detachable)	2 x 2dBi (Internal)
Wireless	150Mbps (11b/g/n)	150Mbps (11b/g/n)	300Mbps (11b/g/n)
WPS	V	V	V
Optional Accessories	SUS-1003 USB stand with Cable Organizer	SUS-1003 USB stand with Cable Organizer	SUS-1003 USB stand with Cable Organizer



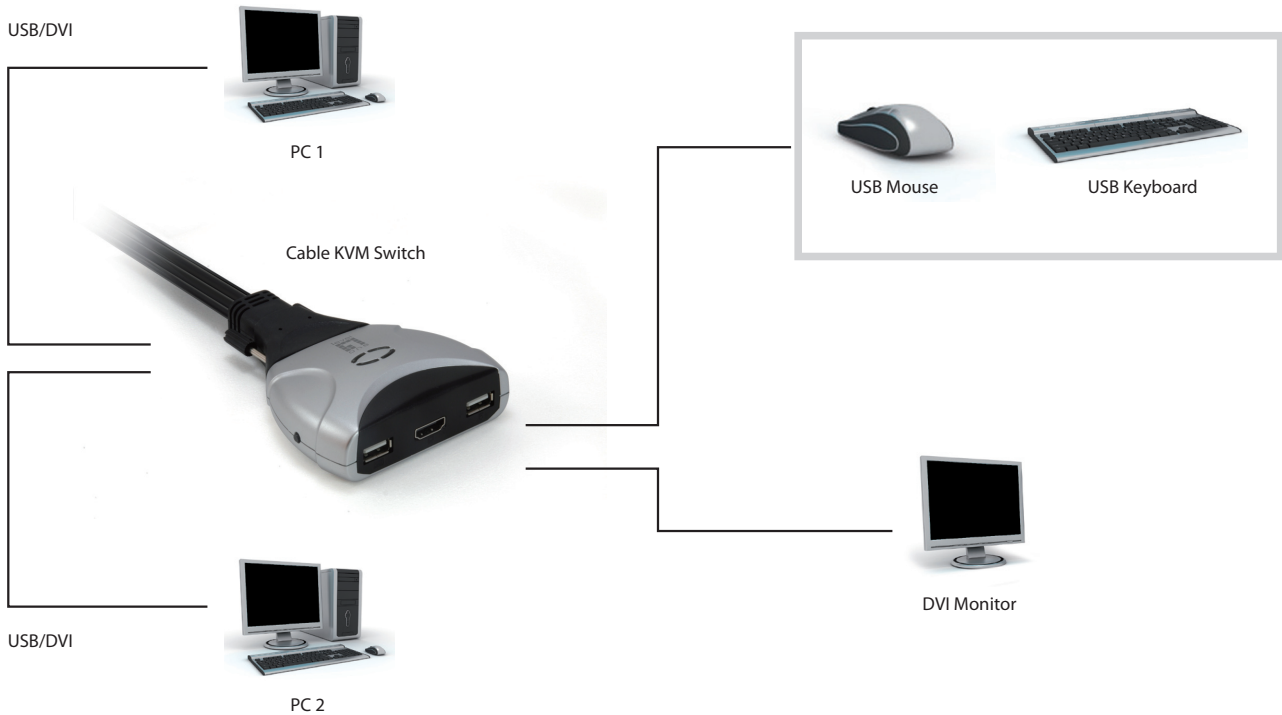
WUA-1610
Wireless USB-Adapter, 2dBi, 300Mbps, 802.11n



WUA-1610H
Wireless USB-Adapter, 5dBi, 300Mbps, 802.11n

Wireless Network Adapter Comparison		
Model	WUA-1610	WUA-1610H
Interface	USB 2.0	USB 2.0
Antenna	2 x 2dBi (External Detachable)	2 x 5dBi (External Detachable)
Wireless	300Mbps (11b/g/n)	300Mbps (11b/g/n)
WPS	V	V

With a small footprint and Plug and Play installation, help you to switch between computers with ease. PS/2, USB, VGA and DVI connections are available to support any operating system.



Cable KVM Switch

- Plug and Play operation, no software installation or power supply required
- LED display for easy status monitoring
- Easy switching between computers with auto-scan, keyboard hotkeys and push button selection



KVM-0260
2-Port Cable KVM Switch, DVI, USB, Audio



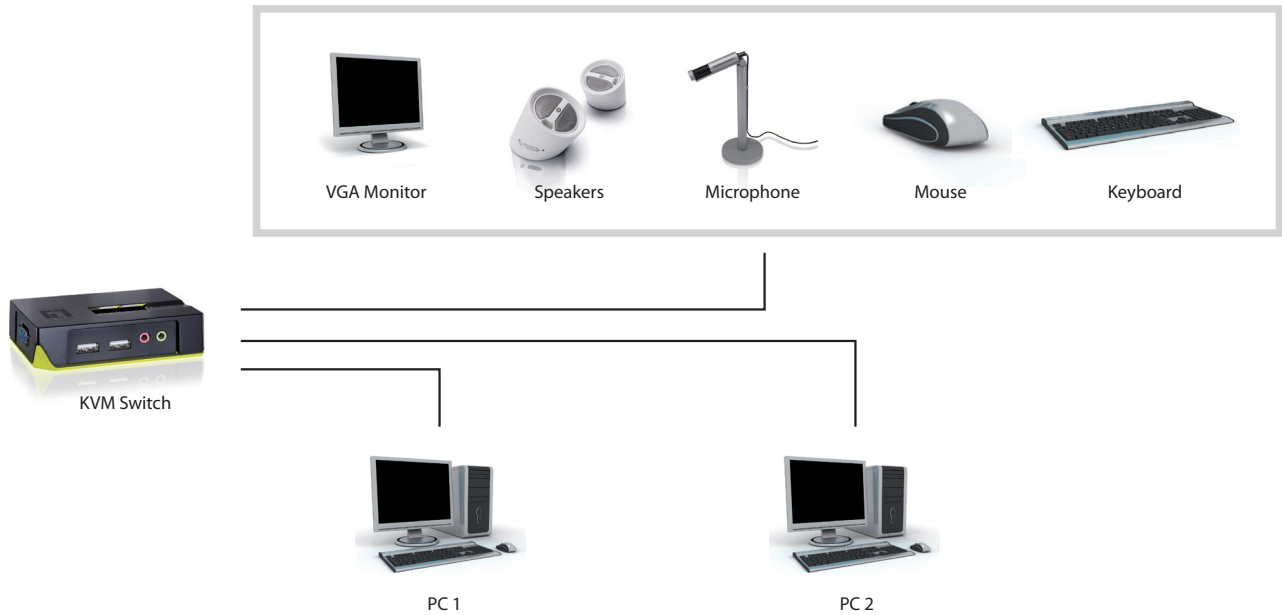
KVM-0290
2-Port Cable KVM Switch, HDMI, USB



KVM-0223
2-Port Cable KVM Switch, VGA, USB, Audio

Cable KVM Switch Comparison				
	Model	KVM-0260	KVM-0290	KVM-0223
PC Port	Port for Keyboard/Mouse	USB	USB	USB
	Video Port	DVI-D	HDMI	VGA
	Audio / Microphone	Audio/Microphone	-	Audio/Microphone
Console Port	Port for Keyboard/Mouse	USB	USB	USB
	Video Port	DVI-D	HDMI	VGA
	Audio / Microphone	Audio/Microphone	-	Audio/Microphone
Feature	Control and Manage Computers	2	2	2
	Max. Local Resolution	1920 x 1200	1920 x 1200	2048 x 1536

Using these slim and stylish switches to control and manage 2 computers with a single keyboard, mouse and monitor. With plug-and-play operation, push-button switching and LED displays.



Desktop KVM Switch

- Slim and stylish design for minimizing desktop footprint
- Plug-and-play operation, no software installation or power supply required



KVM-0221
2-Port USB KVM Switch with Audio



KVM-0222
2-Port USB KVM Switch



KVM-0261
2-Port USB DVI KVM Switch with Audio & USB 2.0 Hub



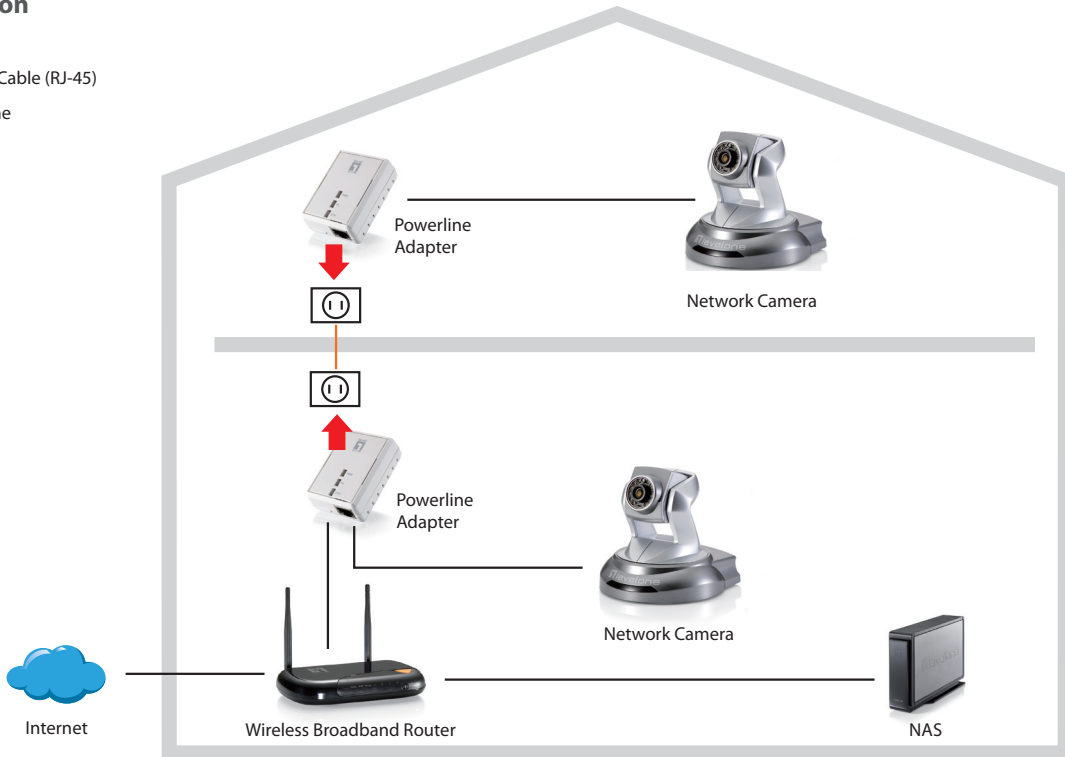
KVM-0461
4-Port USB DVI KVM Switch with Audio & USB 2.0 Hub

Desktop KVM Switch Comparison					
	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

From Wired, wireless, day and night, pan/tilt/zoom to indoor and outdoor. All LevelOne cameras come with free Free 64-CH Monitoring Software (supports Apple/Android App) that enables users to view, manage, and capture streaming images from any location over the Internet.

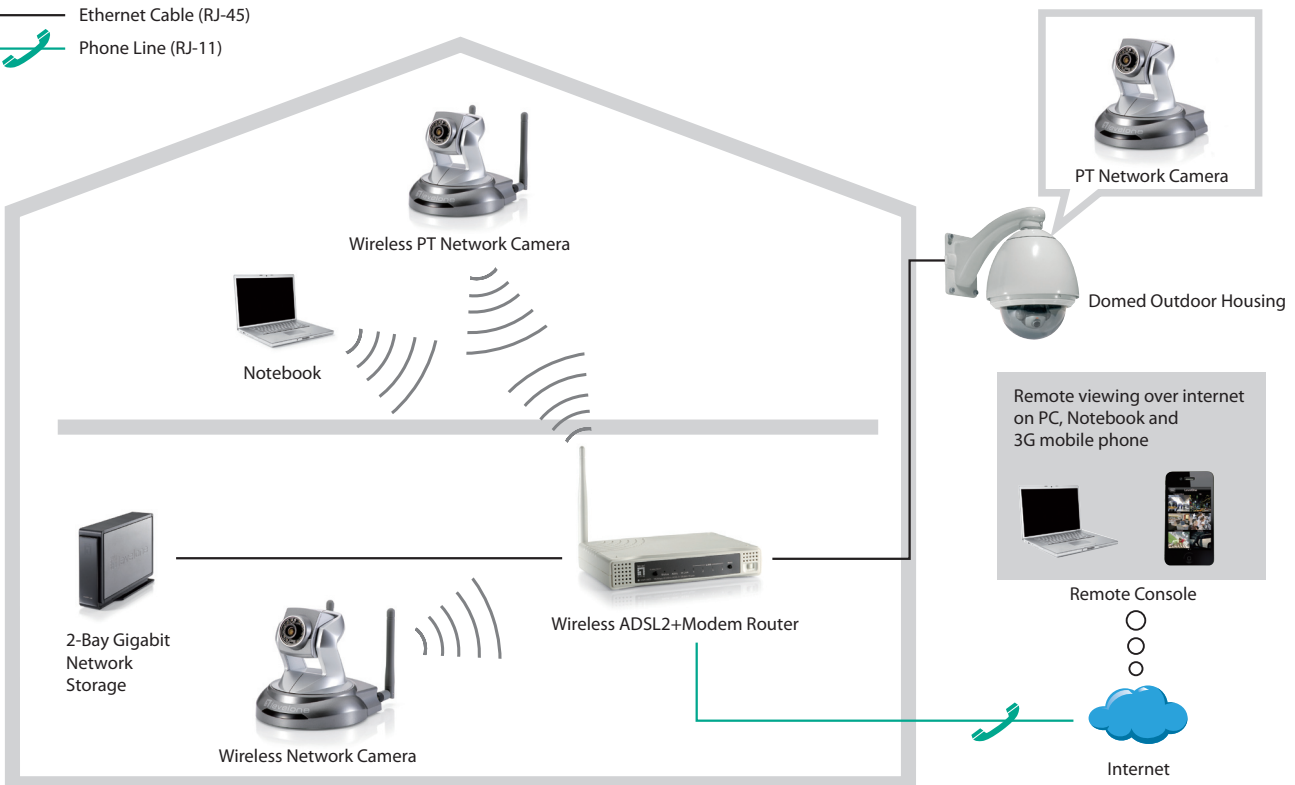
Indoor Solution

- Ethernet Cable (RJ-45)
- Power Line



Outdoor Solution

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



Fixed / Panoramic Network Cameras

- Progressive CMOS Sensor
- Supports UPnP for easy setup and installation
- Supports DDNS for dynamic IP



FCS-0051
Fixed Network Camera, 5-Megapixel,
PoE 802.3af, WDR



FCS-0071
Panoramic Network Camera,
2-Megapixel, 802.3af PoE, Day & Night



FCS-0032
Fixed Network Camera,
3-Megapixel, PoE 802.3af

Fixed / Panoramic Network Cameras Comparison			
Model	FCS-0051	FCS-0071	FCS-0032
Sensor Max Resolution	CMOS 5M , 15fps at 2592 x 1944	CMOS 2M, 15fps at 1600 x 1200	CMOS 3M, 15 fps at 2048 x 1536
AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES
Compression	H.264 High Profile, MJPEG	H.264, MJPEG	H.264/MJPEG
Lens type	Fixed focal, f2.8mm / F2.0, Fixed iris, Manual focus	Zoom, f1.25mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F2.0, Fixed iris, Fixed focus
Horizontal viewing Angle	92.6°	360°	70.8°
ICR (IR-Cut Filter Removal)	-	V	-
IRLED /Type/ Distance	-	-	-
Digital Noise Reduction	2DNR	2DNR	2DNR
Wide Dynamic Range	Basic WDR (74 dB)	-	-
Pan/Tilt/Zoom	Digital Zoom to very high detail available on Software	10X Optical Zoom, 4X Digital Zoom	Digital Zoom to very high detail available on Software
Power Input	802.3af PoE	DC12V 2A / 802.3af PoE	802.3af PoE
Audio	2-way (Built-in Microphone, Line-out)	2-way (Line-in, Line-out)	-
Local storage	MicroSDHC/MicroSDXC memory card slot (card not included)	MicroSDHC memory card slot (card not included)	-
Operation Temperature	-10°C ~ 45°C (14°F ~ 113°F)	0°C ~ 50°C (32°F ~ 122°F)	-10°C ~ 45°C (14°F ~ 113°F)
Approvals	CE, FCC	CE, FCC	CE, FCC

PT / PTZ Network Cameras

- Progressive CMOS Sensor
- Supports UPnP for easy setup and installation
- Supports DDNS for dynamic IP
- Supports digital zoom



FCS-6020
PT Network Camera, 2-Megapixel,
802.3af PoE, Day & Night, IR LEDs



WCS-6020
PT Network Camera, 2-Megapixel, 150Mbps
802.11b/g/n, Day & Night, IR LEDs



WCS-6050
PT Network Camera, 5-Megapixel, 150Mbps
802.11b/g/n, Day & Night, IR LEDs

NEW


FCS-1041
PTZ Network Camera, 2-Megapixel,
802.3af PoE, WDR, 10x Optical Zoom

PT Network Cameras Comparison				
Model	FCS-6020	WCS-6020	WCS-6050	FCS-1041
Sensor Max Resolution	CMOS 2M , 30fps at 1092 x 1080	CMOS 2M , 30fps at 1092 x 1080	CMOS 5M , 10fps at 2060 x 1920	CMOS 2M, 30 fps at 1920x1080
AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES	AGC/AWB/AES
Compression	H.264, MPEG4, MJPEG	H.264, MPEG4, MJPEG	H.264, MJPEG	H.264, MPEG4, MJPEG
Lens type	Fixed focal, f4.0mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f4.0mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f4.0mm / F2.0, Fixed iris, Fixed focus	Zoom, f=4.9-49mm/F1.8-3.0, Auto iris, Auto-focus
Horizontal viewing Angle	62°	62°	62°	66.6°
ICR (IR-Cut Filter Removal)	V	V	V	V
IRLED /Type/ Distance	10M	10M	10M	-
Digital Noise Reduction	2DNR	2DNR	2DNR	3DNR
Wide Dynamic Range	-	-	-	Basic WDR (74 dB)
Pan/Tilt/Zoom	355° / 135° / -	355° / 135° / -	355° / 135° / -	355° / 135° / Optical Zoom 10X, Digital Zoom 4X
Power Input	DC12V 1.5A / 802.3af PoE	DC12V 1.5A	DC12V 1.5A	DC12V 1.5A / 802.3af PoE
Audio	2-way (Built-in microphone, Line-out)	2-way (Built-in microphone, Line-out)	2-way (Built-in microphone, Line-out)	2-way (Built-in microphone, Line-out)
Local storage	MicroSDHC memory card slot (card not included)	MicroSDHC memory card slot (card not included)	MicroSDHC memory card slot (card not included)	SD/SDHC card slot (card not included)
Operation Temperature	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)
Approvals	CE, FCC	CE, FCC	CE, FCC	CE, FCC



Industrial

Industrial

Media Converter

58-61

Switch

62-73

Transceiver

74-75

Power Supply

76-78

Media Converter



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



IEC-1120	IEC-1140	IEC-1400	IEC-1420	IEC-1440
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/ PoE PD, SC MM 2KM -10 to 60°C	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
-	-	-	-	-
1	1	1	1	1
-	-	-	-	-
-	-	-	-	-
1	1	1	1	1
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	PD	PD	PD
-	-	-	-	-
-	-	-	-	-
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	-	-	-

Media Converter



Models	IEC-1800	IEC-1820	IEC-1840	IEC-2000
Name	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	10/100/1000 Industrial Media Converter, SFP -40 to 75°C
Interface				
Max. 100 BASE-T	-	-	-	-
Max. 10/100 BASE-TX	1	1	1	-
Max. 1000 BASE-T	-	-	-	-
Max. 10/100/1000 BASE-T	-	-	-	1
Max. 100 BASE-FX	1	1	1	-
Max. 100 BASE-SFP	-	-	-	-
Max. 1000 BASE-SX/LX/BX	-	-	-	-
Max. 1000 BASE-SFP	-	-	-	1
Max. PoE Ports	-	-	-	-
Web Management	-	-	-	-
Alarm Contact	V	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	V
Mechanical				
Casing	aluminum	aluminum	aluminum	aluminum
Installation	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail
Dimensions (WxHxD)	50x110x135	50x110x135	50x110x135	50x110x135
Power Input				
No. of Power Input	3	3	3	3
Terminal Block	12 - 48VDC	12 - 48VDC	12 - 48VDC	12 - 48VDC
DC Jack	12VDC	12VDC	12VDC	12VDC
Operating Temperature				
-5°C to 55°C	-	-	-	-
-10°C to 60°C	-	-	-	-
-40°C to 75°C	V	V	V	V
Regulatory Approvals				
CE / FCC	V	V	V	V
VCCI	V	V	V	V
UL508	V	V	V	V
ISA12.12.01 / UL1604	-	-	-	-
IEC61850-3	V	V	V	-
EN50121-4	V	V	V	-
UL/cUL 60950-1	-	-	-	-



IEC-2001	IEC-2002	IEC-4000	IEC-4001	IEC-4002	IEC-4301
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	Industrial Fast Ethernet Mini Media Converter - 10/100Mbps RJ-45 Copper to 100Mbps SFP Fibe	Industrial Fast Ethernet Mini Media Converter - 10/100Mbps RJ-45 Copper to 100Mbps SC Multi-Mode Fiber, 2KM	Industrial Fast Ethernet Mini Media Converter - 10/100Mbps RJ-45 Copper to 100Mbps ST Multi-Mode Fiber, 2KM	Industrial Fast Ethernet Mini Media Converter - 10/100Mbps RJ-45 Copper to 100Mbps SC Single-Mode Fiber, 30KM
-	-	-	-	-	-
-	-	-	1	1	1
-	-	-	-	-	-
1	1	-	-	-	-
-	-	-	-	-	-
-	-	1	-	-	-
1	1	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
V	V	-	-	-	-
V	V	-	-	-	-
V	V	-	-	-	-
V	V	-	-	-	-
V	V	V	V	V	V
aluminum	aluminum	aluminum	aluminum	aluminum	aluminum
DIN-Rail	DIN-Rail	Din rail wall mounted	Din rail wall mounted	Din rail wall mounted	Din rail wall mounted
50x110x135	50x110x135	59x36x49	59x36x49	59x36x49	59x36x49
3	3	1	1	1	1
12 - 48VDC	12 - 48VDC	3 pin	3 pin	3 pin	3 pin
12VDC	12VDC	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
V	V	V	V	V	V
V	V	V	V	V	V
V	V	V	V	V	V
V	V	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-



Models	IES-0500	IES-0510	IES-0600	IES-0610
Name	5-Port Industrial Fast Ethernet Switch, DIN-Rail	5-Port Industrial Fast Ethernet Switch, DIN-Rail, 1 Port SC Multi-Mode Fiber	6-Port Industrial Gigabit Ethernet Switch, 1 Port SFP, 1 Port SFP/RJ45 Combo, -40°C to 75°C, DIN-Rail, 9-60VDC Power Input	6-Port Industrial Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 4 PoE Outputs, 1 Port SFP, 1 Port SFP/RJ45 Combo, -40°C to 75°C, DIN-Rail
Interface				
Max. 10/100 BASE-TX	5	4	-	-
Max. 10/100/1000 BASE-T	-	-	5	5
Max. 100 BASE-FX	-	1	-	-
Max. 100 BASE-SFP	-	-	2	2
Max. 1000 BASE - SX/LX/BX	-	-	-	-
Max. 1000 BASE - SFP	-	-	2	2
PoE Ports	-	-	-	4
RS-232 Console Port	-	-	-	-
Alarm Contact	-	-	V	V
Performance				
MAC Address Table Size	2048	2048	1K	1K
Packet Buffer Memory (bits)	384K	384K	1M	1M
Mechanical				
Casing	plastic	plastic	iron, aluminum	iron, aluminum
Installation	DIN-Rail	DIN-Rail	Din Rail wall mounted	Din Rail wall mounted
Dimensions (WxHxD)	26x110x70	26x110x70	142x43x105	142x43x105
Power Input				
No. of Power Input	1	1	2	2
110 - 240VAC	-	-	-	-
Terminal Block	12 - 48VDC	12 - 48VDC	6 pin	6 pin
DC Jack	-	-	-	-
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	-	-	-	-
ISA12.12.01 / UL1604	-	-	-	-
IEC61850-3 / IEC61850-3	-	-	-	-
EN50121-4	-	-	-	-
UL60950	V	V	-	-



IES-0620	IES-0520	IES-0820	IES-0521	IES-0522
Industrial Gigabit Ethernet Switch - 4 x 802.3af/at PoE + 1 SFP + 1 Combo -40 to 75C, 12 to 55VDC	5-Port Industrial Fast Ethernet Switch, DIN-Rail, 1 Port SC Multi-Mode Fiber, -40°C to 75°C	8-Port Industrial Fast Ethernet Switch, DIN-Rail, -40°C to 75°C	5-Port Industrial Fast Ethernet PoE Switch, 802.3af PoE, 4 PoE Outputs, -40°C to 75°C, 61.6W	5-Port Industrial Fast Ethernet PoE Switch, 802.3af PoE, 4 PoE Outputs, 1 Port SC Multi-Mode Fiber, -40°C to 75°C, 61.6W
-	4	8	5	4
5	-	-	-	-
-	1	-	-	1
2	-	-	-	-
-	-	-	-	-
2	-	-	-	-
4	-	-	4 (15.4W)	4 (15.4W)
-	-	-	-	-
V	V	V	V	V
1K	8192	8192	1024	1024
1M	1.125M	1.125M	512K	512K
iron, aluminum	aluminum	aluminum	aluminum	aluminum
Din Rail wall mounted	DIN-Rail	DIN-Rail	DESKTOP	DESKTOP
142x43x105	68x110x135	68x110x135	200x134x35	200x134x35
2	3	3	3	3
-	-	-	-	-
6 pin	12 - 32VDC	12 - 32VDC	47 - 57VDC	47 - 57VDC
-	12VDC	12VDC	47 - 57VDC	47 - 57VDC
-	(-20°C to 60°C)	(-20°C to 60°C)	-	-
V	-	-	V	V
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
V	V	V	V	V
-	V	V	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

Switch



Models	IES-0810	IES-0811	IES-0812	IES-0821
Name	8-Port Industrial Fast Ethernet Switch, DIN-Rail	8-Port Industrial Fast Ethernet PoE Switch, 802.3af PoE, 4 PoE Outputs, DIN-Rail	8-Port Industrial Fast Ethernet PoE Switch, 802.3af PoE, 4 PoE Outputs, DIN-Rail, 1 Port SC Multi-Mode Fiber	8-Port Industrial Fast Ethernet PoE Switch, 802.3af PoE, 4 PoE Outputs, DIN-Rail, -40°C to 75°C
Interface				
Max. 10/100 BASE-TX	8	8	7	8
Max. 10/100/1000 BASE-T	-	-	-	-
Max. 100 BASE-FX	-	-	1	-
Max. 100 BASE-SFP	-	-	-	-
Max. 1000 BASE - SX/LX/BX	-	-	-	-
Max. 1000 BASE - SFP	-	-	-	-
PoE Ports	-	4 (15.4W)	4 (15.4W)	4 (15.4W)
RS-232 Console Port	-	-	-	-
Alarm Contact	V	V	V	V
Performance				
MAC Address Table Size	2048	1024	1024	1024
Packet Buffer Memory (bits)	768K	1M	1M	1M
Mechanical				
Casing	aluminum	aluminum	aluminum	aluminum
Installation	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail
Dimensions (WxHxD)	50x135x125	62x135x110	62x135x110	68x135x110
Power Input				
No. of Power Input	2	3	3	3
110 - 240VAC	-	-	-	-
Terminal Block	12 - 30VDC	47 - 57VDC	47 - 57VDC	47 - 57VDC
DC Jack	12VDC	47 - 57VDC	47 - 57VDC	47 - 57VDC
Operating Temperature				
-10°C to 60°C	(-20°C to 60°C)	V	V	-
-40°C to 75°C	-	-	-	V
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 / IEC61613	-	-	-	-
EN50121-4	-	-	-	-
UL60950	V	-	-	-



IES-0822	IES-0823	IES-0830	IES-0831	IES-0852
8-Port Industrial Fast Ethernet PoE Switch, 802.3af PoE, 4 PoE Outputs, DIN-Rail, 1 Port SC Multi-Mode Fiber, -40°C to 75°C	8-Port Industrial Gigabit Ethernet Switch, DIN-Rail, 2 Ports SFP/RJ45 Combo	8-Port Industrial Fast Ethernet Switch, DIN-Rail	8-Port Industrial Fast Ethernet Switch, DIN-Rail, 2 Ports SC Multi-Mode Fiber, -40°C to 75°C	8-Port Industrial Web Smart Fast Ethernet PoE Switch, 802.3af/at PoE Plus, 4 PoE Outputs, DIN-Rail, -40°C to 75°C
7	-	8	6	8
-	8	-	-	-
1	-	-	2	-
-	-	-	-	-
-	-	-	-	-
-	2	-	-	-
4 (15.4W)	-	-	-	4 (30W)
-	-	-	-	-
V	V	V	V	V
1024	8192	2048	2048	1024
1M	1.125M	448K	448K	1M
aluminum	aluminum	aluminum	aluminum	aluminum
DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail
68x135x110	68x110x135	60x125x145	60x125x145	68x135x110
3	3	3	3	3
-	-	-	-	-
47 - 57VDC	12 - 32VDC	12 - 48VDC	12 - 48VDC	47 - 57VDC
47 - 57VDC	12VDC	12VDC	12VDC	47 - 57VDC
-	(-20°C to 60°C)	-	-	-
V	-	V	V	V
-	-	-	-	-
-	-	-	-	-
-	-	-	-	System, IP Configuration, VLAN, QoS, Web Management
V	V	V	V	V
-	V	-	-	-
-	-	-	-	-
-	-	V	V	-
-	-	V	V	-
-	-	-	-	-



Models	IES-0853	IES-0880	IES-0881	IES-0882
Name	8-Port Industrial Web Smart Fast Ethernet PoE Switch, 802.3af/at PoE Plus, 4 PoE Outputs, DIN-Rail, 1 Port SC Multi-Mode Fiber, -40°C to 75°C	8-Port Industrial L2 Managed Gigabit Ethernet Switch, DIN-Rail	8-Port Industrial L2 Managed Fast Ethernet PoE Switch, 802.3af PoE, 4 PoE Outputs, 2 Ports Gigabit SFP/RJ45 Combo, -40°C to 75°C	8-Port Industrial L2 Managed Fast Ethernet PoE Switch, 802.3af/at PoE Plus, 4 PoE Outputs, 2 Ports Gigabit SFP/RJ45 Combo, -40°C to 75°C
Interface				
Max. 10/100 BASE-TX	7	-	6	6
Max. 10/100/1000 BASE-T	-	8	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	4 (30W)	-	4 (15.4W)	4 (30W)
RS-232 Console Port	-	V	V	V
Alarm Contact	V	V	-	-
Performance				
MAC Address Table Size	1024	4096	8192	8192
Packet Buffer Memory (bits)	1M	1M	2M	2M
Mechanical				
Casing	aluminum	aluminum	metal	metal
Installation	DIN-Rail	DIN-Rail	DESKTOP	DESKTOP
Dimensions (WxHxD)	68x135x110	65x125x145	200x134x50	200x134x50
Power Input				
No. of Power Input	3	3	1	1
110 - 240VAC	-	-	-	-
Terminal Block	47 - 57VDC	12 - 32VDC	48 - 55VDC	48 - 55VDC
DC Jack	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	V
STP / RSTP / MSTP	-	V	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	-	-	-	-



IES-0910	IES-0920	IES-1020	IES-1070	IES-1071
9-Port Industrial Fast Ethernet Switch, DIN-Rail, 1 Port SC Multi-Mode Fiber	9-Port Industrial Fast Ethernet Switch, DIN-Rail, 1 Port SC Multi-Mode Fiber, -40°C to 75°C	10-Port Industrial Fast Ethernet PoE Switch, 802.3af/at PoE Plus, 2 Ports Gigabit SFP/RJ45 Combo, 8 PoE Outputs, -40°C to 75°C	10-Port Industrial L2 Managed Fast Ethernet Switch, DIN-Rail, 2 Ports Gigabit	10-Port Industrial L2 Managed Fast Ethernet Switch, DIN-Rail, 2 Ports Gigabit SFP
8	8	16	8	8
-	-	2	2	-
1	1	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	2	-	2
-	-	8 (30W)	-	-
-	-	-	V	V
V	V	V	V	V
2048	2048	4096	8192	8192
768K	768K	2.25M	2M	2M
aluminum	aluminum	metal	metal	metal
DIN-Rail	DIN-Rail	Rack Mount	DIN-Rail	DIN-Rail
50x135x125	50x110x145	442x44.2x205	54x125x145	54x125x145
2	3	2	3	3
-	-	-	-	-
12 - 30VDC	12 - 48VDC	47 - 57VDC	12 - 48VDC	12 - 48VDC
12VDC	12VDC	-	12VDC	12VDC
(-20°C to 60°C)	-	-	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	-	-	-



Models	IES-1080	IES-1081	IES-1082	IES-1083
Name	10-Port Industrial L2 Managed Fast Ethernet Switch, DIN-Rail, 2 Ports Gigabit	10-Port Industrial L2 Managed Fast Ethernet Switch, DIN-Rail, 2 Ports Gigabit SFP	10-Port Industrial L2 Managed Fast Ethernet PoE Switch, 802.3af PoE, DIN-Rail, 2 Ports Gigabit, 8 PoE Outputs	10-Port Industrial L2 Managed Fast Ethernet PoE Switch, 802.3af PoE, DIN-Rail, 2 Ports Gigabit SFP, 8 PoE Outputs
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	-	-	8 (15.4W)	8 (15.4W)
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	aluminum	aluminum	aluminum	aluminum
Installation	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail
Dimensions (WxHxD)	60x125x145	60x125x145	71.4x140x170	71.4x140x170
Power Input				
No. of Power Input	3	3	3	3
110 - 240VAC	-	-	-	-
Terminal Block	12 - 48VDC	12 - 48VDC	48VDC	48VDC
DC Jack	12VDC	12VDC	48VDC	48VDC
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	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	V
ISA12.12.01 / UL1604	-	-	-	-
IEC61850-3 / IEEE1613	-	-	-	-
EN50121-4	V	V	-	-
UL60950	-	-	-	-



IES-1084	IES-1085	IES-1090	IES-1420	IES-1820
10-Port Industrial L2 Managed Fast Ethernet PoE Switch, 802.3af/at PoE Plus, DIN-Rail, 2 Ports Gigabit, 8 PoE Outputs, -40°C to 75°C, 181.6W	10-Port Industrial L2 Managed Fast Ethernet PoE Switch, 802.3af/at PoE Plus, DIN-Rail, 2 Ports Gigabit SFP, 8 PoE Outputs, -40°C to 75°C, 181.6W	10-Port Industrial L2 Managed Fast Ethernet Switch, DIN-Rail, 2 Ports Gigabit SFP/RJ45 Combo	14-Port Industrial Fast Ethernet PoE Switch, 802.3af/at PoE Plus, 2 Ports Gigabit SFP/RJ45 Combo, -40°C to 75°C, 12 PoE Outputs	18-Port Industrial Fast Ethernet PoE Switch, 802.3af/at PoE Plus, 2 Ports Gigabit SFP/RJ45 Combo, -40°C to 75°C, 16 PoE Outputs
8	8	8	12	16
2	-	2	2	2
-	-	-	-	-
-	-	-	-	-
-	2	2	2	2
4 (30W) + 4 (15.4W)	4 (30W) + 4 (15.4W)	-	16 (30W)	16 (30W)
V	V	V	-	-
V	V	V	V	V
8192	8192	8192	4096	4096
2M	2M	2M	2.25M	2.25M
aluminum	aluminum	aluminum	metal	metal
DIN-Rail	DIN-Rail	DIN-Rail	Rack Mount	Rack Mount
71.4x140x170	71.4x140x170	84x125x145	442x44.2x205	442x44.2x205
3	3	3	2	2
-	-	-	-	-
48VDC	48VDC	12 - 48VDC	47 - 57VDC	47 - 57VDC
48VDC	48VDC	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	-	-
-	-	-	-	-



Models	IES-1610	IES-1611	IES-1620	IES-1621
Name	16-Port Industrial Fast Ethernet Switch, DIN-Rail	16-Port Industrial Fast Ethernet Switch, DIN-Rail, 1 Port SC Multi-Mode Fiber	16-Port Industrial Fast Ethernet Switch, DIN-Rail, -40°C to 75°C	16-Port Industrial Fast Ethernet Switch, DIN-Rail, 1 Port SC Multi-Mode Fiber, -40°C to 75°C
Interface				
Max. 10/100 BASE-TX	16	15	16	15
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	-	-	-	-
RS-232 Console Port	-	-	-	-
Alarm Contact	V	V	V	V
Performance				
MAC Address Table Size	4096	4096	4096	4096
Packet Buffer Memory (bits)	1.625M	1.625M	1.625M	1.625M
Mechanical				
Casing	aluminum	aluminum	aluminum	aluminum
Installation	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail
Dimensions (WxHxD)	69.5x110x135	69.5x110x135	75.5x110x135	75.5x110x135
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	-	-	-	-
STP / RSTP / MSTP	-	-	-	-
Network Management & Control				
	-	-	-	-
Regulatory Approvals				
CE / FCC	V	V	V	V
UL508	V	V	V	V
ISA12.12.01 / UL1604	-	-	-	-
IEC61850-3 / IEEE1613	-	-	-	-
EN50121-4	-	-	-	-
UL60950	V	V	V	V



IES-1870	IES-1880	IES-1881	IES-1890	IFS-0501
18-Port Industrial L2 Managed Fast Ethernet Switch, DIN-Rail, 2 Ports Gigabit	18-Port Industrial L2 Managed Fast Ethernet Switch, DIN-Rail, 2 Ports Gigabit	18-Port Industrial L2 Managed Fast Ethernet PoE Switch, 802.3af PoE, 2 Ports Gigabit SFP/RJ45 Combo, -40°C to 75°C, 16 PoE Outputs	18-Port Industrial L2 Managed Fast Ethernet Switch, DIN-Rail, 2 Ports Gigabit SFP/RJ45 Combo	5-Port Fast Ethernet Industrial Switch
16	16	16	16	5
2	2	2	2	-
-	-	-	-	-
-	-	-	-	-
-	-	2	-	-
-	-	-	2	-
-	-	16 (15.4W)	-	-
V	V	V	V	-
V	V	V	V	-
8192	8192	8192	8192	1K
2M	2M	2M	2M	1M
aluminum	aluminum	metal	aluminum	Metal
DIN-Rail	DIN-Rail	Rack Mount	DIN-Rail	Din-Rail/ Wall Mount
59x125x145	65x125x145	442x205x44	84x125x145	36.2 x 105 x 142
3	3	2	3	2
-	-	-	-	-
12 - 48VDC	12 - 48VDC	48VDC	12 - 48VDC	9 - 56VDC
12VDC	12VDC	-	12VDC	-
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
-	-	-	-	-



Models	IFS-0502	IFS-0503	IFS-0504	IFP-0501
Name	5-Port Fast Ethernet Industrial Switch, 1 Port SC Multi-Mode Fiber, 2km	5-Port Fast Ethernet Industrial Switch, 1 Port SC Single-Mode Fiber, 30km	5-Port Fast Ethernet Industrial Switch, 1 Port ST Multi-Mode Fiber, 2km	5-Port Fast Ethernet Industrial PoE Switch, 4 PoE Outputs, 802.3at PoE Plus
Interface				
Max. 10/100 BASE-TX	4	4	4	5
Max. 10/100/1000 BASE-T	-	-	-	-
Max. 100 BASE-FX	1	1	1	-
Max. 100 BASE-SFP	-	-	-	-
Max. 1000 BASE - SX/LX/BX	-	-	-	-
Max. 1000 BASE - SFP	-	-	-	-
PoE Ports	-	-	-	4(30W)
RS-232 Console Port	-	-	-	-
Alarm Contact	-	-	-	-
Performance				
MAC Address Table Size	1K	1K	1K	1K
Packet Buffer Memory (bits)	1M	1M	1M	1M
Mechanical				
Casing	Metal	Metal	Metal	Metal
Installation	Din-Rail/ Wall Mount	Din-Rail/ Wall Mount	Din-Rail/ Wall Mount	Din-Rail/ Wall Mount
Dimensions (WxHxD)	36.2 x 105 x 142	36.2 x 105 x 142	36.2 x 105 x 142	36.2 x 105 x 142
Power Input				
No. of Power Input	2	2	2	2
110 - 240VAC	-	-	-	-
Terminal Block	9 - 56VDC	9 - 56VDC	9 - 56VDC	44 - 56VDC
DC Jack	-	-	-	-
Operating Temperature				
-10°C to 60°C	-	-	-	-
-40°C to 75°C	V	V	V	V
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	V	V	V	V
UL60950	-	-	-	-



IFP-0502	IFP-0503	IFP-0504
5-Port Fast Ethernet Industrial PoE Switch, 4 PoE Outputs, 802.3at PoE Plus, 1 Port SC Multi-Mode Fiber, 2km	5-Port Fast Ethernet Industrial PoE Switch, 4 PoE Outputs, 802.3at PoE Plus, 1 Port SC Single-Mode Fiber, 30km	5-Port Fast Ethernet Industrial PoE Switch, 4 PoE Outputs, 802.3at PoE Plus, 1 Port ST Multi-Mode Fiber, 2km
4	4	4
-	-	-
1	1	1
-	-	-
-	-	-
-	-	-
4(30W)	4(30W)	4(30W)
-	-	-
-	-	-
1K	1K	1K
1M	1M	1M
Metal	Metal	Metal
Din-Rail/ Wall Mount	Din-Rail/ Wall Mount	Din-Rail/ Wall Mount
36.2 x 105 x 142	36.2 x 105 x 142	36.2 x 105 x 142
2	2	2
-	-	-
44 - 56VDC	44 - 56VDC	44 - 56VDC
-	-	-
-	-	-
V	V	V
-	-	-
-	-	-
-	-	-
V	V	V
-	-	-
-	-	-
V	V	V
-	-	-

Models	IES-2892
Name	28-Port Industrial Modular L2 Managed Fast Ethernet Switch, 4 Ports Gigabit SFP/RJ45 Combo, -40°C to 75°C
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 / IEEE1613	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.

Transceiver



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

Power Supply



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

Power Supply



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



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

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

A			
AVF-1000	BNC over Fiber Extender Kit, RS485, 20km -----	46	
AVF-1100	BNC over Fiber Extender Kit, 20km -----	46	
AVF-1160	16-Port BNC over Fiber Extender Kit, 20km -----	46	
AVF-1160R	16-Port BNC over Fiber Extender Kit, 20km, Rack-Mount -----	46	
AVF-1200	2-Port BNC over Fiber Extender Kit, 20km -----	46	
AVF-1400	4-Port BNC over Fiber Extender Kit, 20km -----	46	
AVF-1800	8-Port BNC over Fiber Extender Kit, 20km -----	46	
B			
BOH-1400	Camera PoE Outdoor Enclosure -----	42	
BOH-1401	Camera PoE Outdoor Enclosure, IR LEDs -----	42	
BOH-1410	Camera PoE Outdoor Enclosure, FEVE Coating -----	42	
BOH-1411	Camera PoE Outdoor Enclosure, IR LEDs, FEVE Coating --	42	
C			
CAS-1300	Vari-focal Lens, Megapixel, Day & Night, 2.8-8.5mm -----	42	
CAS-1400	Vari-focal Lens, 2-Megapixel, Day & Night, 2.8-12mm -----	42	
D			
DOH-1000	Domed Outdoor Housing -----	42	
DOH-1100	Heavy-Duty Domed Outdoor Housing -----	42	
F			
FCS-0032	Fixed Network Camera, 3-Megapixel, PoE 802.3af -----	56	
FCS-0051	Fixed Network Camera, 5-Megapixel, PoE 802.3af, WDR --	56	
FCS-0071	Panoramic Network Camera, 2-Megapixel, 802.3af PoE, Day & Night -----	56	
FCS-1041	PTZ Network Camera, 2-Megapixel, 802.3af PoE, WDR, 10x Optical Zoom -----	56	
FCS-1150	Zoom Network Camera, 3-Megapixel, PoE 802.3af, Day & Night, 12x, WDR -----	34	
FCS-1152	Fixed Network Camera, 5-Megapixel, 802.3af PoE, Day & Night, WDR -----	34	
FCS-1153	Fixed Network Camera, 5-Megapixel, PoE 802.3af, Day & Night -----	34	
FCS-1160	Zoom Network Camera, 5-Megapixel, PoE 802.3af, Day & Night, 12x, WDR -----	34	
FCS-3053	Fixed Dome Network Camera, 3-Megapixel, PoE 802.3af, Day & Night, IR LEDs -----	36	
FCS-3054	Fixed Dome Network Camera, 3-Megapixel, PoE 802.3af -----	36	
FCS-3055	Fixed Dome Network Camera, 3-Megapixel, Outdoor, PoE 802.3af, Day & Night, IR LEDs, WDR -----	36	
FCS-3056	Fixed Dome Network Camera, 3-Megapixel, PoE 802.3af, Day & Night, IR LEDs -----	36	
FCS-3063	Fixed Dome Network Camera, 5-Megapixel, PoE 802.3af, Day & Night, IR LEDs, WDR -----	36	
FCS-3064	Fixed Dome Network Camera, 5-Megapixel, PoE 802.3af, Day & Night, IR LEDs, WDR -----	36	
FCS-3065	Fixed Dome Network Camera, 5-Megapixel, PoE 802.3af, WDR -----	36	
FCS-3071	Fixed Dome Network Camera, 2-Megapixel, 802.3af PoE -	36	
FCS-3072	Fixed Dome Network Camera, 5-Megapixel, Outdoor, PoE 802.3af, WDR, Vandalproof, Vibrationproof -----	37	
FCS-3081	Fixed Dome Network Camera, 2-Megapixel, 802.3af PoE, Day & Night, IR LEDs -----	37	
FCS-3082	Fixed Dome Network Camera, 3-Megapixel, Outdoor, PoE 802.3af, Day & Night, IR LEDs, WDR -----	37	
FCS-3083	Fixed Dome Network Camera, 5-Megapixel, Outdoor, PoE 802.3af, Day & Night, IR LEDs, WDR -----	37	
FCS-3092	Panoramic Dome Network Camera, 5-Megapixel, PoE 802.3af, WDR -----	37	
FCS-3093	Panoramic Dome Network Camera, 5-Megapixel, Outdoor, PoE 802.3af, WDR, Vandalproof, Vibrationproof -----	37	
FCS-3094	Panoramic Dome Network Camera, 10-Megapixel, PoE 802.3af, Day & Night, WDR -----	37	
FCS-3101	Fixed Dome Network Camera, 2-Megapixel, 802.3af PoE, Day & Night, IR LEDs -----	37	
FCS-3102	Fixed Dome Network Camera, 2-Megapixel, Outdoor, PoE 802.3af, Day & Night, IR LEDs, WDR, 3DNR -----	37	
FCS-4041	PTZ Dome Network Camera, 2-Megapixel, Outdoor, 802.3af/at PoE Plus, Day & Night, 18x Optical Zoom, WDR -----	39	
FCS-4042	PTZ Dome Network Camera, 2-Megapixel, Outdoor, 802.3af/at PoE Plus, Day & Night, 30x Optical Zoom, WDR -----	39	
FCS-4043	PTZ Dome Network Camera, 3-Megapixel, Outdoor, PoE 802.3af, Day & Night, 10x, WDR -----	39	
FCS-4044	PTZ Dome Network Camera, 5-Megapixel, PoE 802.3af, Outdoor, Day & Night, 10x, WDR -----	39	
FCS-4101	PT Dome Network Camera, 2-Megapixel, 802.3af PoE, Day & Night, IR LEDs -----	38	
FCS-4102	PT Dome Network Camera, 2-Megapixel, Outdoor, PoE 802.3af, Day & Night, IR LEDs, WDR -----	38	

FCS-4201	Zoom Network camera, 2-Megapixel, 802.3af PoE, Day & Night, IR LEDs, 3x Optical Zoom, WDR -----38	FEP-1601	16-Port Fast Ethernet PoE Switch,250W-----4
FCS-4202	Zoom Network camera, 2-Megapixel, 802.3af PoE, Day & Night, IR LEDs, 3x Optical Zoom, WDR, Outdoorr -----38	FEP-1611	16-Port Fast Ethernet PoE Switch, 240W, 802.3af/at PoE Plus-----4
FCS-4301	PTZ Dome Network Camera, 2-Megapixel, 802.3af PoE, IR LEDs, Day & Night, PTZ, 3x Optical Zoom, WDR -----39	FEP-1612	16-Port Fast Ethernet PoE Switch, 480W, 802.3af/at PoE Plus-----4
FCS-4302	PTZ Dome Network Camera, 2-Megapixel, 802.3af PoE, Day & Night, IR LEDs, PTZ, 3x Optical Zoom, WDR, Outdoor --39	FEU-0511	5-Port Fast Ethernet Switch, 1 Port SC Multi-Mode Fiber, 2km -----7
FCS-5042	Zoom Network camera, 2-Megapixel, Outdoor, 802.3af PoE, Day & Night, IR LEDs, 10x Optical Zoom ----34	FGP-1000	10-Port Fast Ethernet PoE Switch, 1 Port Gigabit, 1 Port Gigabit SFP, 120W, 9 PoE Outputs -----4
FCS-5043	Zoom Network camera, 2-Megapixel, Outdoor, 802.3af PoE, IR LEDs, Day & Night, 3x Optical Zoom-----34	FGP-2410	26-Port Fast Ethernet PoE Switch, 2 Ports Gigabit SFP/RJ45 Combo, 802.3af/at PoE Plus, 24 PoE Outputs, 240W -----4
FCS-5051	Fixed Network Camera, 2-Megapixel, Outdoor, 802.3af PoE, Day & Night, IR LEDs -----34	FGP-2412	26-Port Fast Ethernet PoE Switch, 2 Ports Gigabit SFP/RJ45 Combo, 802.3af/at PoE Plus, 24 PoE Outputs, 480W -----4
FCS-5053	Fixed Network Camera, 3-Megapixel, Outdoor, PoE 802.3af, Day & Night, IR LEDs -----34	FGS-2800	28-Port Web Smart Fast Ethernet Switch, 2 Ports Gigabit SFP/RJ45 Combo, 2 Ports Gigabit-----9
FCS-5054	Fixed Network Camera, 3-Megapixel, Outdoor, 802.3af PoE, Day & Night, IR LEDs, WDR -----35	FNC-0103FX	Fast Ethernet Fiber PCI Network Card, Multi-Mode, ST----18
FCS-5055	Zoom Network Camera, 3-Megapixel, Outdoor, PoE 802.3af, Day & Night, IR LEDs, 12x, WDR -----35	FNC-0104FX	Fast Ethernet Fiber PCI Network Card, Multi-Mode, SC ---18
FCS-5056	Fixed Network Camera, 3-Megapixel, Outdoor, PoE 802.3af, Day & Night, IR LEDs, WDR-----35	FNC-0105	Fast Ethernet Fiber PCI Network Card, SFP -----19
FCS-5057	Fixed Network Camera, 3-Megapixel, Outdoor, PoE 802.3af, Day & Night, IR LEDs, WDR-----35	FNC-0115	Fast Ethernet Fiber PCIe Network Card, Multi-Mode, SC--18
FCS-5061	Fixed Network Camera, 5-Megapixel, Outdoor, 802.3af/at PoE Plus, Day & Night, IR LEDs -----35	FNC-0600TXM	5-Port Fast Ethernet PCI Switch Card-----18
FCS-5063	Fixed Network Camera, 5-Megapixel, Outdoor, PoE 802.3af, Day & Night, IR LEDs, WDR-----35	FPS-1031	Parallel Print Server -----33
FCS-5064	Fixed Network Camera, 5-Megapixel, Outdoor, PoE 802.3af, Day & Night, IR LEDs, WDR-----35	FPS-1032	USB Print Server -----33
FCS-5065	Zoom Network Camera, 5-Megapixel, Outdoor, PoE 802.3af, Day & Night, IR LEDs, 12x, WDR -----35	FPS-1033	2 USB + 1 Parallel Print Server -----33
FCS-6020	PT Network Camera, 2-Megapixel, 802.3af PoE, Day & Night, IR LEDs -----56	FSW-0503	5-Port Fast Ethernet PoE Switch, 802.3af PoE, 4 PoE Outputs, 61.6W, power adapter included -----3
FCS-7001	1-Channel Video Encoder, PoE 802.3af -----44	FSW-0503Z	5-Port Fast Ethernet PoE Switch, 802.3af PoE, 4 PoE Outputs, 61.6W, excl. power adapter -----3
FCS-7004	Video Encoder, 4-Channel, PoE 802.3af, Video Encoder, 4-Channel, PoE 802.3af-----44	FSW-0508TX	5-Port Fast Ethernet Switch-----50
FCS-9364	OneSecure Video Management Software, 64-Channel ---43	FSW-0511	5-Port Fast Ethernet Switch-----50
FEP-0800	8-Port Fast Ethernet PoE Switch,85W -----3	FSW-0512	5-Port Fast Ethernet PoE PD Switch -----3
FEP-0811	8-Port Fast Ethernet PoE Switch, 802.3af/at PoE Plus, 123.2W-----3	FSW-0513	5-Port Fast Ethernet PoE Switch, 4 PoE Outputs, 120W, power adapter included-----3
FEP-0812	8-Port Fast Ethernet PoE Switch, 4 Ports RJ45, 4 Ports RJ45 PoE Plus, 61.6W-----3	FSW-0513Z	5-Port Fast Ethernet PoE Switch, 4 PoE Outputs, 120W, excl. power adapter -----3
FEP-1600	16-Port Fast Ethernet PoE Switch,120W-----4	FSW-0808TX	8-Port Fast Ethernet Switch-----50
		FSW-0811	8-Port Fast Ethernet Switch-----50
		FSW-1650	16-Port Fast Ethernet Switch-----8
		FSW-1671	16-Port Web Smart Fast Ethernet PoE Switch, 802.3af PoE, 123.2W, 8 PoE Outputs-----5
		FSW-2450	24-Port Fast Ethernet Switch-----8

FVS-3120	10/100BASE-TX to 100BASE-LX SMF SC Smart Converter, 20km-----	12	GEP-0822	8-Port Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 240W -----	4
FVS-3200	10/100BASE-TX to 100BASE-FX MMF SC Smart Converter, 2km -----	12	GEP-0950	9-Port Web Smart Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 1 Port SFP, 130W, 8 PoE Outputs -----	5
FVS-3800	10/100BASE-TX to 100BASE-X SFP Smart Converter-----	12	GEP-1020	10-Port Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 2 Ports SFP, 8 PoE Outputs, 150W -----	4
FVT-0103TXFC	10/100BASE-TX to 100BASE-FX MMF SC PoE PD Converter-----	13	GEP-1021	10-Port Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 2 Ports SFP, 8 PoE Outputs, 250W -----	4
FVT-0104TXFC	10/100BASE-TX to 100BASE-FX SMF SC PoE PD Converter-----	13	GEP-1621	16-Port Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 240W -----	4
FVT-0203TXFC	10/100BASE-TX to 100BASE-FX MMF SC PoE Converter, 15.4W -----	13	GEP-1622	16-Port Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 480W -----	4
FVT-0204TXFC	10/100BASE-TX to 100BASE-FX SMF SC PoE Converter, 20km-----	13	GEP-2450	24-Port Web Smart Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 24 PoE Outputs, 4 Ports SFP/RJ45 Combo, 185W -----	5
FVT-2001	10/100BASE-TX to 100BASE-FX MMF SC Converter, 2km -----	13	GEP-2671	26-Port L2 Managed Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 24 PoE Outputs, 4 Ports SFP/RJ45 Combo, 2 Ports SFP, 185W -----	5
FVT-2002	10/100BASE-TX to 100BASE-FX MMF ST Converter, 2km -----	13	GEP-2672	26-Port L2 Managed Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 24 PoE Outputs, 4 Ports SFP/RJ45 Combo, 2 Ports SFP, 370W -----	6
FVT-2201	10/100BASE-TX to 100BASE-FX SMF SC Converter, 20km-----	13	GEP-5070	50-Port L2 Managed Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 375W, 2 Ports SFP, 48 PoE Outputs --	6
FVT-2401	10/100BASE-TX to 100BASE-FX SMF SC Converter, 40km-----	13	GES-1651	16-Port Web Smart Gigabit Ethernet Switch, 2 Ports SFP/RJ45 Combo -----	9
G			GES-2451	24-Port Web Smart Gigabit Ethernet Switch, 4 Ports SFP/RJ45 Combo -----	9
GEL-1072	10-Port L2 Managed Gigabit Ethernet Switch, 2 Ports Gigabit SFP/RJ45 Combo -----	9	GEU-0521	5-Port Gigabit Ethernet Switch, 1 Port SFP -----	7
GEL-2460	24-Port L2 Gigabit Ethernet Switch, 2 Ports SFP/RJ45 Combo -----	11	GNC-0100	Gigabit Fiber PCI Network Card, SFP -----	19
GEL-2461	24-Port Web Smart Gigabit Ethernet Switch, 16 Ports SFP-----	11	GNC-0107	Gigabit Fiber PCI Network Card, Multi-Mode, SC -----	19
GEL-2670	26-Port L2 Managed Gigabit Ethernet Switch, 2 Ports SFP -----	10	GNC-0110	Gigabit Fiber PCIe Network Card, SFP -----	19
GEL-2671	26-Port L2 Managed Gigabit Ethernet Switch, 4 Ports SFP/RJ45 Combo, 2 Ports SFP -----	10	GNC-0111	Gigabit Fiber PCIe Network Card, Multi-Mode, SC-----	19
GEP-0520	5-Port Gigabit Ethernet PoE Switch, 61.6W, 802.3af PoE, 4 PoE Outputs, power adapter included -----	3	GNC-0112	Gigabit PCIe Network Card -----	18
GEP-0520Z	5-Port Gigabit Ethernet PoE Switch, 61.6W, 802.3af PoE, 4 PoE Outputs, excl. power adapter -----	3	GNC-0120	Gigabit Fiber PCIe Network Card, SFP, PCIe x4-----	19
GEP-0521	5-Port Gigabit Ethernet PoE Switch, 120W, 802.3af/at PoE Plus, 4 PoE Outputs -----	3	GNC-0122	Gigabit Fiber PCIe Network Card, Dual SFP, PCIe x4-----	19
GEP-0812	8-Port Gigabit Ethernet PoE Switch, 61.6W, 802.3af/at PoE Plus, 4 PoE Outputs -----	3	GNC-0124	Gigabit Fiber PCIe Network Card, Quad SFP, PCIe x4 -----	19
GEP-0820	8-Port Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 61.6W-----	3	GNC-0201	10 Gigabit Fiber PCIe Network Card, SFP Plus, PCIe x8----	19
GEP-0821	8-Port Gigabit Ethernet PoE Switch, 802.3af/at PoE Plus, 123.2W-----	3	GNC-0202	10 Gigabit Fiber PCIe Network Card, Dual SFP Plus, PCIe x8 -----	19
			GSW-0507	5-Port Gigabit Ethernet Switch -----	50
			GSW-0807	8-Port Gigabit Ethernet Switch -----	50
			GSW-1657	16-Port Gigabit Ethernet Switch -----	8
			GSW-2457	24-Port Gigabit Ethernet Switch -----	8

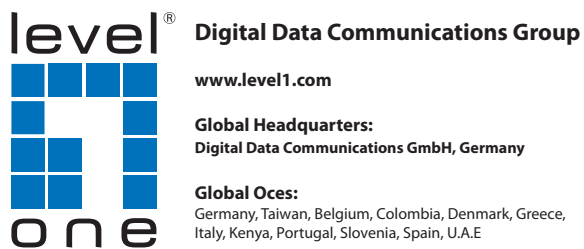
GSW-4876	50-Port Web Smart Gigabit Ethernet Switch, 2 Ports SFP-9	HVE-9003	HDSpider™ HDMI over Cat.5 Cascadable Transmitter ----48
GSW-5150	51-Port Ethernet Switch, 48 Ports RJ45 Fast Ethernet, 2 Ports RJ45 and 1 Port SFP Gigabit Ethernet-----8	HVE-9004	HDSpider™ 4-Port HDMI over Cat.5 Transmitter -----48
GTL-2060	20-Port L2 Managed Gigabit Ethernet Switch, 12 Ports SFP Plus 10-Gigabit Ethernet-----11	HVE-9005	HDMI over Cat.5 Extender Kit -----48
GTL-2660	26-Port L2 Managed Gigabit Ethernet Fiber Switch, 2 Ports SFP Plus 10-Gigabit Ethernet, 4 Ports SFP/RJ45 Combo -----11	HVE-9008	HDSpider™ 8-Port HDMI over Cat.5 Transmitter -----48
GTL-2691	26-Port Stackable L3 Managed Gigabit Ethernet Switch, 4 Ports SFP/RJ45 Combo, 2 Module Slots 10-Gigabit-----10	HVE-9200	Extender Kit-----48
GTL-2880	28-Port L2 Plus Managed Gigabit Ethernet Switch, 4 Ports SFP/RJ45 Combo, 4 Ports 10-Gigabit Ethernet SFP Plus -----10	HVE-9200P	Extender Kit with 802.3af PoE-----48
GTL-2890	28-Port L3 Managed Gigabit Ethernet Switch, 4 Ports SFP Plus 10-Gigabit Ethernet -----11	HVE-9211PR	Receiver with 802.3af PoE-----48
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