

Ultra PoE Switch

ELM-UPOE-SWITCH-8

8-Port 10/100/1000T Ultra PoE + 2-Port 10/100/1000T + 2-Port 1000X SFP Gigabit Ethernet Switch with LCD PoE Monitor / 380W



The ELM-UPOE-SWITCH-8 is an 8-port 10/100/1000T Ultra PoE + 2-port 10/100/1000T + 2-port 1000X SFP Gigabit Ethernet Switch with a total of 380 watts of PoE budget. One special feature that this unit has is the LCD display for PoE work status monitoring. Each PoE port can deliver up to 60-watt power over Cat.5e/6 Ethernet UTP cables which allow data and power to transmit simultaneously to the PoE UltraPod™ for different kinds of PoE applications, respectively.

Physical Port

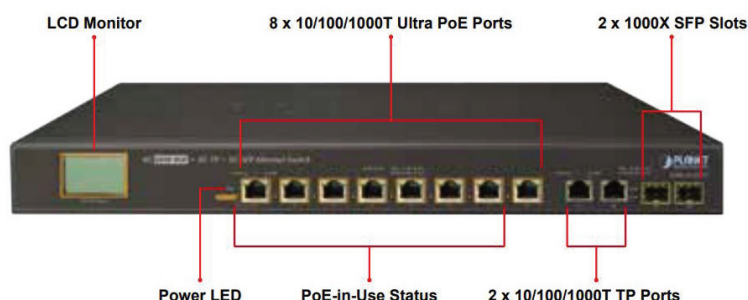
- 8 10/100/1000BASE-T Gigabit Ethernet RJ45 copper ports
- 2 10/100/1000BASE-T TP ports
- 2 1000BASE-X mini-GBIC SFP interfaces

Power over Ethernet

- Ultra Power over Ethernet end-span/mid-span PSE
- Up to 60 watts of power on 4-pair UTP
- Backward compatible with IEEE 802.3at/af PD device
- Up to 8 ports of IEEE 802.3af/IEEE 802.3at/ Ultra PoE devices powered
- 54V DC, 60-watt PoE power output at maximum on each port
- 380-watt PoE budget
- Auto-detection of IEEE 802.3at/af PoE equipment and device to avoid possible damage by incorrect installation
- Circuit protection prevents power interference between ports
- Remote power feeding up to 100m

Hardware

- 19-inch size, 1U height, rack mounting
- LED indicators for system power, per port PoE ready and PoE activity, speed Link/Act
- LCD monitor for system status and PoE usage status display
- 3 silent smart fans designed to provide stable and efficient power performance



Specifications

Model	ELM-UPOE-SWITCH-8
Hardware	
PoE Copper Ports	10 x 10/100/1000BASE-T RJ45 auto-MDI/MDI-X port
SFP/mini-GBIC Slots	2 x 1000BASE-X SFP interface
PoE Injector Ports	8 ports with Ultra PoE/802.3at/af PoE injector function with Port-1 to Port-8
Switch Architecture	Store-and-Forward
Switch Fabric	24Gbps/non-blocking
Switch Throughput@64 bytes	17.8 mpps@64 bytes
MAC Address Table	8K entries
Jumbo Packet Size	10K bytes
Flow Control	IEEE 802.3x pause frame for full-duplex Back pressure for half-duplex
LED	System: Power (Green) Ultra PoE 10/100/1000BASE-T RJ45 Interfaces (port 1 to port 8): 1000Mbps LNK/ACT (Green) 10/100Mbps LNK/ACT (Orange) PoE-in-Use (Orange) 10/100/1000BASE-T RJ45 Interfaces (port 9 to port 10): 1000Mbps LNK/ACT (Green) 10/100Mbps LNK/ACT (Orange) 1000BASE-X SFP Interfaces (port 11 to port 12): 1000Mbps LNK/ACT (Green)
LCD Monitor (W x D)	39.5mm x 24.8mm System status and PoE usage port status
Dimensions (W x D x H)	440 x 233 x 44 mm, 1U height
Enclosure	metal
Weight	3.3kg
Power Requirements	100~240V AC, 50/60Hz, 6A max.
Power Consumption/Dissipation	Max. 420 watts/1433 BTU
Ventilation	Smart fan x 3 (Fans will activate once the PoE budget reaches 126 watts)
ESD Protection	Contact discharge of ± 4 KV DC Air discharge of ± 6 KV DC
Surge Immunity	± 4 KV
Power over Ethernet	
PoE Standard	IEEE 802.3af/802.3at/Ultra PoE PSE
PoE Power Supply Type	End-span + Mid-span
PoE Power Output	Per port 54VDC, 600mA. max. 60 watts (Ultra PoE) Per port 54V DC, 600mA. max. 30 watts (IEEE 802.3at) Per port 54V DC, 300mA. max. 15.4 watts (IEEE 802.3af)
Power Pin Assignment	Ultra PoE: 1/2 (+), 3/6 (-), 4/5 (+), 7/8 (-) End-span: 1/2 (+), 3/6 (-) Mid-span: 4/5 (+), 7/8 (-)
PoE Power Budget	380 watts (max.)
PoE Ability PD @ 15 watts	8 units
PoE Ability PD @ 30 watts	8 units
PoE Ability PD @ 60 watts	6 units
Standards Conformance	
Regulatory Compliance	FCC Part 15 Class A, CE
Standards Compliance	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab Gigabit 1000BASE-T IEEE 802.3z Gigabit SX/LX IEEE 802.3x Flow control and back pressure IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet Plus
Environments	
Operating	Temperature: 0 ~ 50 degrees C Relative Humidity: 5 ~ 95% (non-condensing)
Storage	Temperature: -10 ~ 70 degrees C Relative Humidity: 5 ~ 95% (non-condensing)