

H8031FTL-60W-24

Thunder and Lightning Approved

Hardened 4 port Gigabit POE Switch, with voltage booster

1 x 60W Gigabit TX PSE + 2 x Gigabit TX + 1 x 100/1000M SFP, Support Power1, Power2 and Power3 (for external power adapter), 24-56VDC input, Operating temp.: -40°C to +75°C

Features:

- Built-in POE surge protector 6kv or above
- Built-in Ethernet surge protector 6kv or above
- Ideal units for heavy thunder and lightning environment
- Built-in hardened Marvell IC
- Built-in hardened POE controller
- Built-in voltage booster for 24VDC
- Ultra high power 60Watts
- Built-in power DIN for 110/240VAC environment
- Support redundant power
- Support alarm relay
- Two data port for easy cascade
- Additional Gigabit SFP for remote connection
- Working in extreme environment -40 to +75°C



H8031FTL-60W-24

Introduction

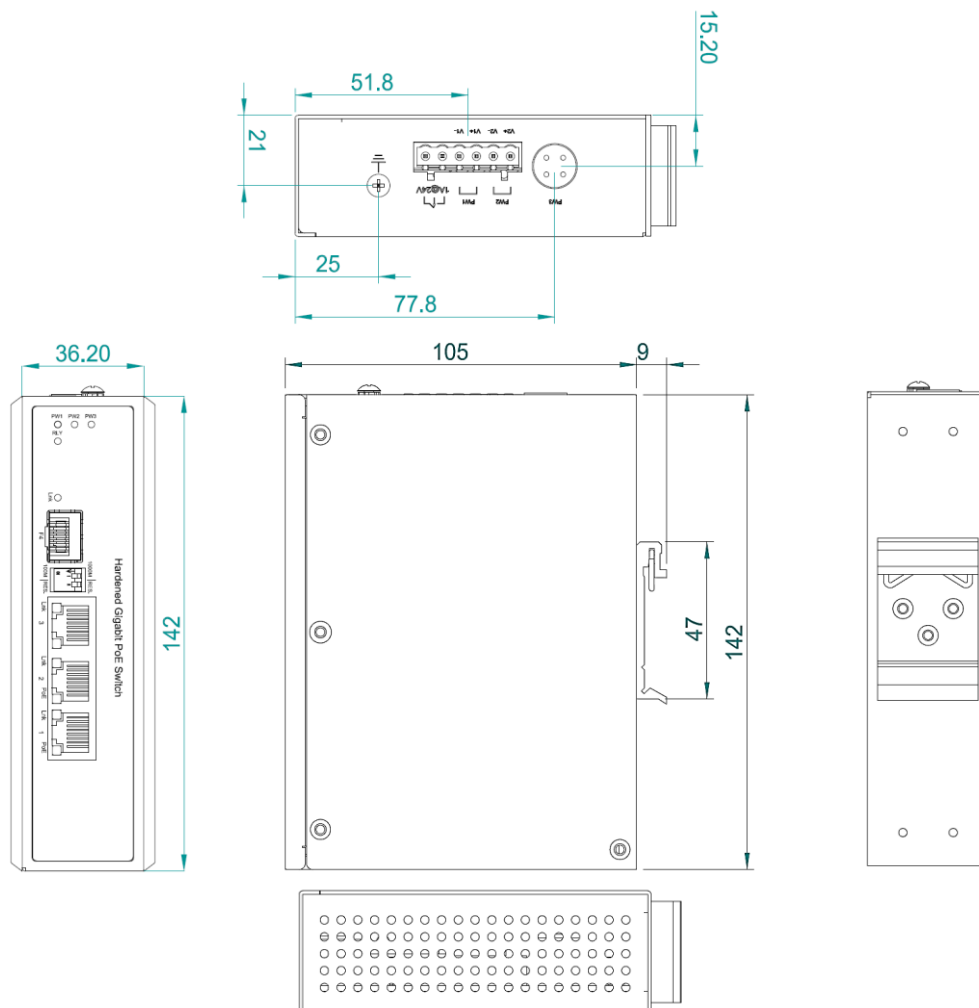
This ultra high power Industrial Gigabit POE Switch is designed for heavy thunder and lightning environment, it is equipped with 1 port 60W Gigabit PSE port to power up 60Watts PD for outdoor speed dome, outdoor WiFi AP, or high power PD devices. It is built in with voltage booster can accept 24VDC to boost up to 55VDC for your PD device, especially for IP surveillance, traffic monitoring, Outdoor WiFi AP and for a broad range of applications.

Specification

IEEE Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3z 1000Base-X Gigabit Ethernet IEEE802.3x Flow Control and Back Pressure, IEEE802.3af for POE IEEE802.3at for POE+
Switch Architecture	Back-plane (Switching Fabric): 8Gbps
Data Processing	Store and Forward
Flow Control	IEEE 802.3x Flow Control and Back Pressure
Jumbo Frame	10KB
MAC address Table Size	8K
Packet Buffer Size	1M
Network Connector	3 x RJ-45 10/100/1000BaseT(X) auto negotiation, 1 x 100/1000M SFP 1 x Gigabit 60Watts POE+ 802.3af/at PSE port 2 x Gigabit Tx Auto MDI/MDI-X function, Full/Half duplex
Network Cable	UTP/STP Cat.5e Or Above EIA/TIA-568 10-ohm (100m)
Protocol	CSMA/CD
LED	PW1(Power 1) Green, PW2(Power 2) Green, PW3(Power 3) Amber, for external power adapter RLY (Relay) Amber TX/RJ-45 port: LNK (Link/Active) Green/Flashing POE Amber SFP port: F4 (Link/Active) Green
Dip Switch	DIP1: OFF: Port 4 SFP 1000M (Default) ON: Port 4 SFP 100M DIP2: Reserve
Reserve polarity protection	Present
Overload current protection	Present
Power Input	Redundant Dual DC 24V-56V Power Input POE input 24-56VDC
Power Consumption	4.0 W@48 VDC full load, Without POE Max total power 65 Watts

Alarm Relay Contact	Relay outputs with current carrying capacity of 1 A @24VDC, Relay in open circuit mode when 2 powers are connected. in short circuit mode when only one power supply is connected
Removable Terminal Block	Provide 2 Redundant power , Alarm relay contact ,6 Pin Wire range: 0.34mm ² to 2.5mm ² Solid wire (AWG):12-24/14-22 Stranded wire(AWG): 12-24/14-22 Torque:5lb-In/0.5Nm/0.56Nm Wire Strip length: 7-8mm
Power DIN	For 110VAC/240VAC external power adapter, 4 pin high current with lock type
Operating Temperature	-40°C ~75°C fully tested.
Operating Humidity	5% to 95% (Non-condensing)
Storage Temperature	-40°C ~85°C
MTBF (mean time between failure)	>500,000 hrs (MIL-HDBK-217F) at 25°C
Housing	Rugged Metal ,IP30 Protection
Case Dimension (L x W x D)	142 x 36.2 x 105 mm (L x W x D)
Installation mounting	DIN Rail mounting and Wall Mounting
Certifications	
EN55022/24	ITE equipment
EN55011	Industrial, Scientific and Medical (ISM) equipment
Safety	IEC EN60950-1
EMC/EMS	CE, FCC, VCCI
EMI	FCC Part 15 Subpart B Class A, CE EN 55022 Class A
EN 50155 / EN 60068-2-6	Vibration
EN 50155 / EN 60068-2-27	Shock
EN 50155 / EN 60068-2-32	Free Fall

Housing Dimension (mm)



Similar Models — Lightning Approved Models:

H8031FTL-24	Hardened 4 port Gigabit POE Switch, with voltage booster 2 x 30W Gigabit TX PSE, 24-56VDC input,
H8031FTL-30W-24	Hardened 4 port Gigabit POE Switch, with voltage booster 1 x 30W Gigabit TX PSE, 24-56VDC input,
H8031FTL	Hardened 4 port Gigabit POE Switch 2 x 30W Gigabit TX PSE, 48-56VDC input
H8031FTL-30W	Hardened 4 port Gigabit POE Switch 1 x 30W Gigabit TX PSE, 48-56VDC input
H8031FTL-60W	Hardened 4 port Gigabit POE Switch 1 x 60W Gigabit TX PSE, 48-56VDC input