

POE-0820P

48VDC, 8 port industrial Gigabit PoE+ to Fiber Optic Ethernet Switch, 8x10/100/1000BaseT(X) PSE (802.3af/at PoE+), 2x100/1000M TX/SFP combo, -40 to 75°C operating temperature

Introduction

POE-0820P is a new generation of Gigabit unmanaged Ethernet switch introduced by Hoatech in the fall of 2019. In addition to the first generation of original functions, this version has improved the lightning strike protection level, which has 8 x 10 /100/1000BaseT(X) 802.3af/at (PoE) Ethernet port and 2 x combo Gigabit Ethernet/SFP fiber ports. Each PoE port is able to provide 30 watts of power and can be powered to PD devices (such as IP cameras, access control systems, IP phones, wireless APs, etc.), which is beneficial for users to install.



Features

- Auto-MDI/MDIX on copper port
- 8xGbE PoE (30W) + 2xGbE RJ45/SFP Combo
- 30W IEEE802.3at compliant
- 12KV surge protection on each PoE port
- Each PoE port can be manually set for On-Off control
- -40°C~75°C operating temperature
- Redundant power input (48-56VDC) & Reverse power protection

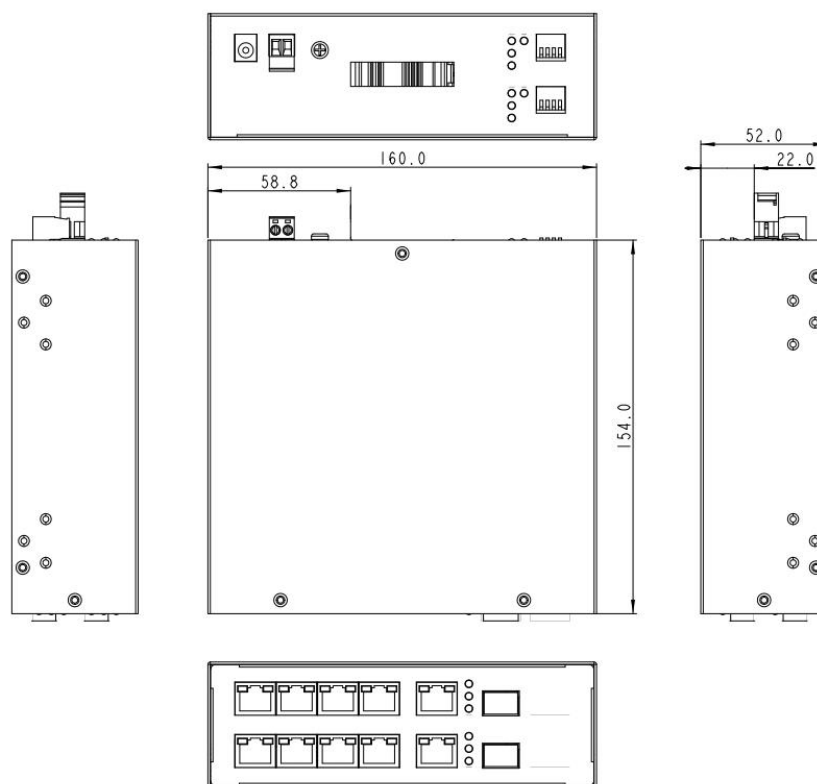
Specifications

Operating Mode	Layer 2
Total Gigabit Ports	12
Gigabit PoE Ports	8
Gigabit TX Ports (RJ-45)	-
Gigabit Combo (RJ-45/SFP)	2
Gigabit SFP slots	-
Protocols & Standards	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 traffic and back pressure, IEEE802.3af for POE Ethernet power supply IEEE802.3at for POE+ Ethernet power supply
Switching Capacity (Gbps)	20Gbps
Forwarding Capacity (Mpps)	14.88Mpps
Jumbo Frame(byte)	10K
MAC Table	1K
Network Connection	Auto-MDI/MDI-X & Auto-Negotiation Full/Half duplex
Operating Mode	Store and forward

	Redundant power input : 48VDC ~56VDC
PoE Power	PoE IEEE 802.3af (Max 15.4W) per port PoE+ IEEE802.3at (Max 30W) per port
Reverse Power Protection	Yes
Overload power protection	Yes
Total Power	240W
Surge Protection	12KV
Dimension (W x H x D)	160x52x155mm
Weight	TBC
Connectors	RJ45 x 10, SFP slot x 2, Terminal block x1
Accessories	Din rail mount kit
LED Indicators	Power 、 Fiber 、 Link(Act)
Fan-less Design	Yes, IEEE 802.3az Energy Efficient Ethernet (EEE)
Operating Temperature	-40°C ~ 75°C
Storage Temperature	-40°C ~ 85°C
Operating Humidity	5% ~ 95% (Non-Condensing)
Storage Humidity	5% ~ 90% (Non-Condensing)
MTBF(Hour)	>50,000
Certification Compliance	CE, FCC, VCCI, C-Tick
Safety	EN60950-1, IEC60950-1
EMC	EN61000-4-5

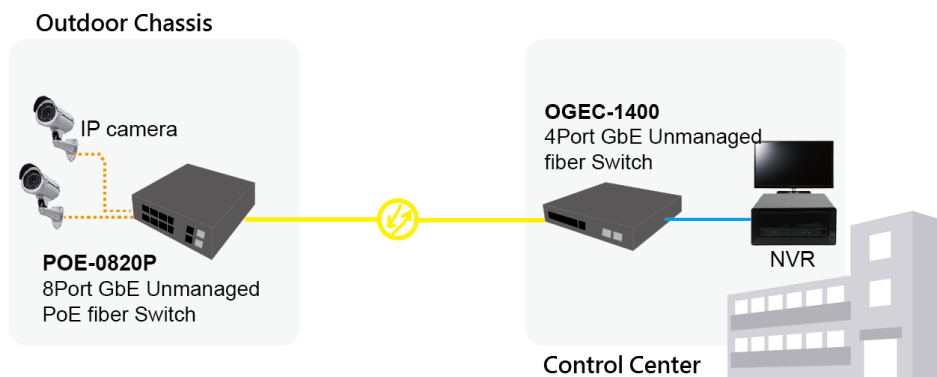
Dimensions

Unit: mm



Application

Outdoor Surveillance



Ordering Information

Model Name	Description
POE-0820P	48VDC, 8 port industrial Gigabit PoE+ to Fiber Optic Switch, 8x10/100/1000BaseT(X) PSE (802.3af/at PoE+), 2x100/1000M TX/SFP combo, -40 to 75°C operating temperature

Accessories (sold separately)

Model Name	Description
SFP 1.25G SM-SC-B5	SFP BIDI 1.25Gbps, TX1550nm/RX1310, SC, 20km, 0 to 70°C
SFP 1.25G SM-SC-B5-D	SFP BIDI 1.25Gbps, TX1550nm/RX1310, SC, 20km, 0 to 70°C, With DDM
SFP 1.25G SM-SC-B5-A	SFP BIDI 1.25Gbps, TX1550nm/RX1310, SC, 20km, -40 to 85°C
SFP 1.25G SM-SC-B5-DA	SFP BIDI 1.25Gbps, TX1550nm/RX1310, SC, 20km, -40 to 85°C, With DDM
SFP 1.25G SM-SC-B3	SFP BIDI 1.25Gbps, TX1310nm/RX1550, SC, 20km, 0 to 70°C
SFP 1.25G SM-SC-B3-D	SFP BIDI 1.25Gbps, TX1310nm/RX1550, SC, 20km, 0 to 70°C, with DDM
SFP 1.25G SM-SC-B3-A	SFP BIDI 1.25Gbps, TX1310nm/RX1550, SC, 20km, -40 to +85°C
SFP 1.25G SM-SC-B3-DA	SFP BIDI 1.25Gbps, TX1310nm/RX1550, SC, 20km, -40 to +85°C, with DDM
SFP 1.25G SM-LC-B5	SFP BIDI 1.25Gbps, TX1550nm/RX1310, LC, 20km, 0 to 70°C
SFP 1.25G SM-LC-B5-D	SFP BIDI 1.25Gbps, TX1550nm/RX1310, LC, 20km, 0 to 70°C, With DDM
SFP 1.25G SM-LC-B5-A	SFP BIDI 1.25Gbps, TX1550nm/RX1310, LC, 20km, -40 to 85°C
SFP 1.25G SM-LC-B5-DA	SFP BIDI 1.25Gbps, TX1550nm/RX1310, LC, 20km, -40 to 85°C, With DDM
SFP 1.25G SM-LC-B3	SFP BIDI 1.25Gbps, TX1310nm/RX1550, LC, 20km, 0 to 70°C
SFP 1.25G SM-LC-B3-D	SFP BIDI 1.25Gbps, TX1310nm/RX1550, LC, 20km, 0 to 70°C, with DDM

SFP 1.25G SM-LC-B3-A	SFP BIDI 1.25Gbps, TX1310nm/RX1550, LC, 20km, -40 to +85°C
SFP 1.25G SM-LC-B3-DA	SFP BIDI 1.25Gbps, TX1310nm/RX1550, LC, 20km, -40 to +85°C, with DDM
SFP 1.25G MM-LC-2F	SFP 1.25Gbps, 1310nm, LC, 2km, 0 to 70°C
SFP 1.25G SM-LC-2F	SFP 1.25Gbps, 1310nm, LC, 20km, 0 to 70°C

Power Supply (sold separately)

Model Name	Description
PSU-120A48-P1M	120W/2.5A, AC-DC Industrial desktop adaptor with PFC; Output 48Vdc at 2.5A; 3 pole AC inlet IEC320-C14

More information please check on our website at www.hoatech.com.tw