

FiberPlex™ Un-Managed Industrial Gigabit PoE+ Switch

Model FP1008E/AT



The FP1008E/AT is an industrial-grade, 10-port 10/100/1000 unmanaged Power over Ethernet switch ideally suited for Industrial Ethernet communications over a moderate bandwidth Gigabit fiber trunk.

System Interface/Performance

- Supports auto MDI/MDI-X function
- 10 ports include 8 10/100/1000TX RJ45 IEEE802.3at/af (30W) compliant ports and 2 100/1000 SFP cages
- 20 Gbps backplane (switching fabric)
- 8K MAC address table
- 9.6K Jumbo frame supports
- ESD protection: 6,000 VDC

Power Input

- Redundant power input design: 48–55 VDC
- Built-in relay output for power failure detection
- Surge protection: 2,000 VDC support

Extended Operating Temperature

- -40 to 167°F (-40 to 75°C)

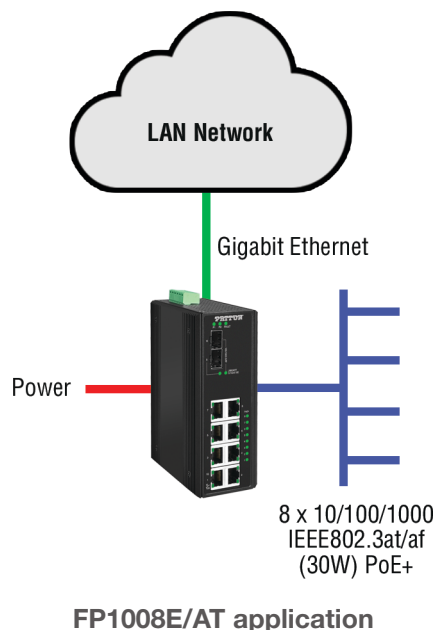
Case/Installation

- IP30 rugged metal case
- DIN-rail and wall mount support

Patton's FP1008E/AT Un-Managed Industrial Gigabit Power Over Ethernet Switch supports industrial applications requiring high bandwidth or high density connections, such as power/utilities, water/wastewater treatment, oil/gas/mining, process control automation, security access control systems, and intelligent transportation systems.

The FP1008E/AT is housed in an sturdy IP30 rated DIN-rail enclosure with wall mount options. The physical layer interfaces include 8 x RJ45 10/100/1000 Ethernet ports, capable of providing up to 30W of PoE+ to PoE+ enabled end points and two Gigabit SFP+ slots that can be used for fiber trunk connections. To ensure operation in harsh environments the FP1008E/AT provides additional EFT and ESD protection that prevents unregulated voltage or harmful transients, and has an operating temperature rating of -40 to 167°F (-40 to 75°C).

Visit patton.com for more information.



FP1008E/AT Un-Managed Industrial Gigabit PoE+ Switch

Specifications*

Copper Ethernet (PoE+) Port

8 x RJ45 10/100/1000 (PSE: 30W/port) auto MDI/MDI-X

Fiber Ethernet Port

2 x GigE SFP cages

Wavelength: Refer to patton.com/SFP-OC

Switching Properties

Backplane (Switching Fabric): 20 Gbps

Processing Type: Store and Forward

Jumbo Frame: 9.6 Kbytes

MAC Table Size: 8K

Networking Standards

IEEE 802.3 10Tx Ethernet

IEEE 802.3u 100Tx Fast Ethernet

IEEE 802.3ab 1000Tx Gigabit Ethernet

IEEE 802.3z Gigabit Fiber

IEEE 802.3x Flow Control for Full Duplex

Power

Power Consumption:

- 210 Watts @ 48 VDC
- 250 Watts @ 51–55 VDC (full load with PoE+)

Input Voltage: 48–55 VDC

Redundant Input (with 1 removable 6-contact terminal block) 100–240 VAC adapter (optional)

ESD protection

6,000 VDC

Surge protection

2,000 VDC support

Protection

Reverse Polarity

CPU Watchdog

Temperature

Operating: -40 to 167°F (-40 to 75°C)

Storage: -40 to 185°F (-40 to 85°C)

Ambient Relative Humidity

5 to 95%, (non-condensing)

Housing

Metal, IP30 protection, DIN-Rail Mounting (wall mounting bracket is also included)

Dimensions

2.12W x 3.89D x 5.59H in. (54W x 99D x 142H mm)

Weight

Unit Weight: 1.5 lbs (0.91 kg)

Shipping Weight: 2.0 lbs (0.68 kg)

Certifications

FCC, CE, UL 61010-1

UL 61010-2-201 Class 1 Div 2

EMI

FCC Class A

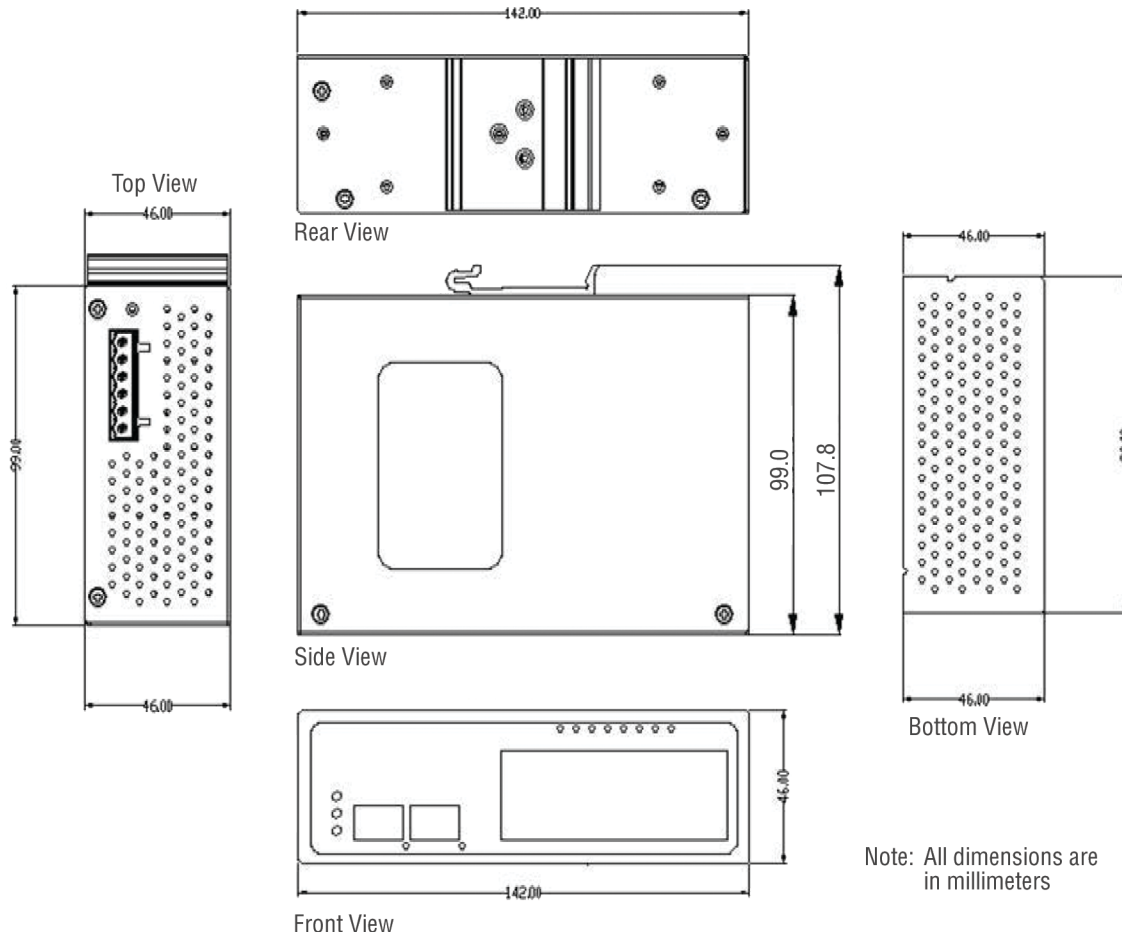
EMS

IEC61000-4-2, 4-3, 4-4, 4-5, 4-6, 4-8

IEC61000-6-2, 6-4

Free fall / Shock / Vibration

IEC60068-2-32 / IEC60068-2-27 / IEC60068- 2-6



Specifications subject to change without notice



Patton Electronics Co.
7622 Rickenbacker Drive
Gaithersburg, Maryland 20879, USA
Phone +1 301 975 1000
Fax +1 301 869 9293
E-mail sales@patton.com
Web www.patton.com

Patton-Inalp Networks AG
Meriedweg 7
CH-3172 Niederwangen, Switzerland
Phone +41 (31) 985 25 25
Fax +41 (31) 985 25 26
E-mail we@patton.com
Web www.patton.com

Patton Hungary Zrt
Gábor Dénes utca 4., Infopark Building C
Budapest H-1117, Hungary
Phone +36 1 439 4840
Fax +36 1 439 4844
E-mail ce@patton.com
Web www.patton.com