FiberPlex™ Un-Managed Industrial Gigabit Ethernet Switch

Model FP1008E

The FP1008E is an industrial-grade, 10-port 10/100/1000 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 ports and 2 100/1000 SFP cages*
- *Store-and-forward switching architecture*
- *20-Gbps backplane (switching fabric)*
- *8K MAC address table*
- *9.6K Jumbo frame supports*
- *ESD protection: 6,000 VDC support*

Power Input

- *Redundant power input design: 12–48 VDC*
- *Built-in relay output for power failure detection*
- *Surge protection: 2,000 VDC support*
- *UL Class I, Division 2 certified*
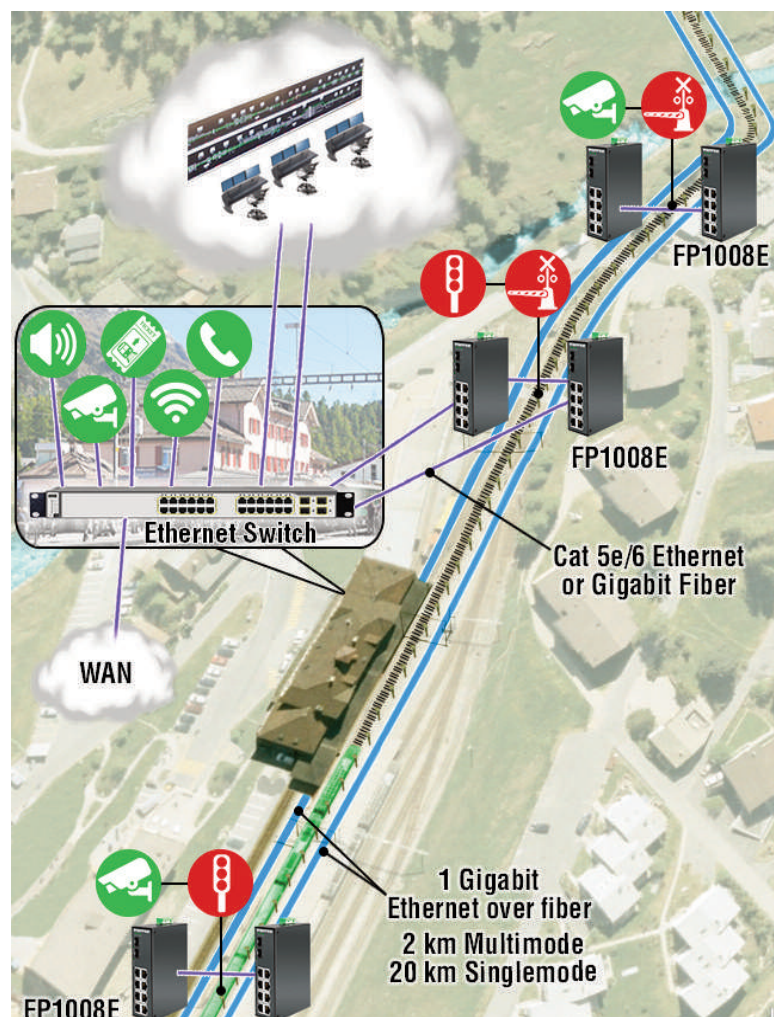
Operating Temperature

- *Operating temperature range—EOT: -40 to 75°C*

Case/Installation

- *IP30 rugged metal case design*
- *Installation in pollution degree to environment*
- *DIN-rail and wall mount support*

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

FP1008E Un-Managed Industrial Gigabit Ethernet Switch

Specifications

Ethernet Port
8 RJ45 Ports with 10/100/1000TX auto MDI/MDI-X connection & 2 100/1000 SFP cages

Fiber Port
Wavelength: Refer to SFP+ modules at patton.com/SFP-OC
2 1-Gig SFP cages

Standards
IEEE 802.3, 3u, 3ab, 3az

Switching Architecture
Backplane (Switching Fabric): 20 Gbps

Transfer Rate
up to 1.0Gbps for Gigabit Ethernet port

Jumbo Frame
9.6 Kbytes

MAC Table Size
8K

Free fall / Shock / Vibration
IEC60068-2-32 / IEC60068-2-27 / IEC60068-2-6

Overload Current Protection
Present

Operating Temperature
-40 to 75°C (-40 to 167°F)

Storage Temperature
-40 to 85°C (-40 to 185°F)

Ambient Relative Humidity
5 to 95%, (non-condensing)

Input Voltage
12–48 VDC, Redundant Input (with 1 removable 6-contact terminal block)
100–240 VAC adapter (optional)

Power Consumption
10 Watts

Reverse Polarity Protection
Yes

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: 2.5 lbs.
Shipping Weight: 3.0 lbs

Certifications
FCC, CE, UL 61010-1, UL 61010-2-201, ISA 12.12.01, Class 1 Div 2

EMI
FCC Class A

EMS
EN6100-4-2, 4-3, 4-4, 4-5, 4-6, 4-8, 4-11, 4-12, 6-2, 6-4

Specifications subject to change without notice