

# FiberPlex™ Un-Managed Industrial Gigabit Ethernet Switch

Model FP1008E

INDUSTRIAL  
COMMS



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

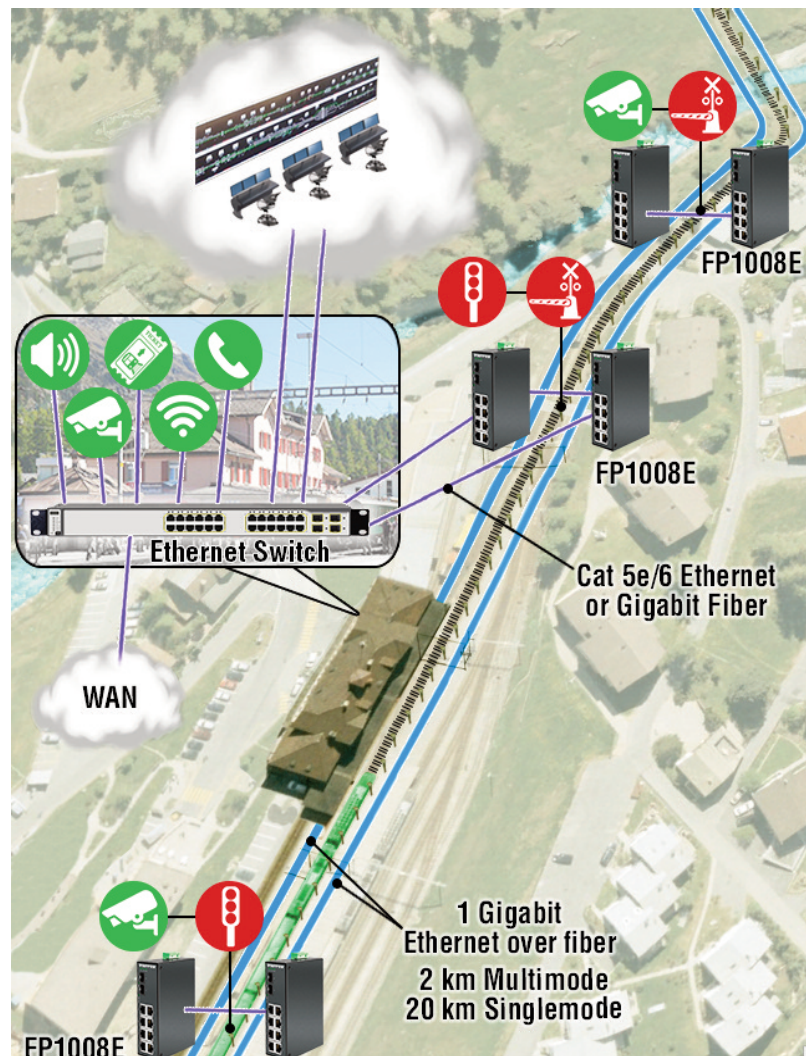
## Case/Installation

- 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 a 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).

Visit [patton.com/](http://patton.com/) for more information.



# 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](http://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



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Specifications subject to change without notice



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