

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

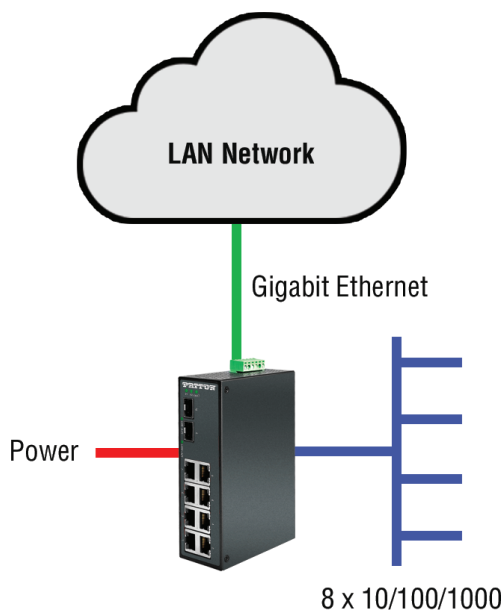
Case/Installation

- 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 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/ 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
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



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