FiberPlex™ Industrial Gigabit SFP Media Converter

Model FP101E

Industrial Gigabit Media Converter provides plug and play media conversion even in the toughest of environments.

Extended Operating Temperature
-40 to 75°C (-40 to 167°F) ambient temperature range

Flexible Mounting Options
Wall mount, DIN rail or desktop.

Rugged
Meets tough EN60068 standards for Free Fall, Shock and Vibration

Link Fault Pass-Through (LFP)
If the copper signal is lost or disconnected, the fiber signal will turn off, if the fiber signal is lost or disconnected, the copper port will turn off.

Plug and Play
Auto sensing network speeds and PoE compliant power negotiation makes this product incredibly easy to use

TAA Compliant
Top notch quality and reliability with local support

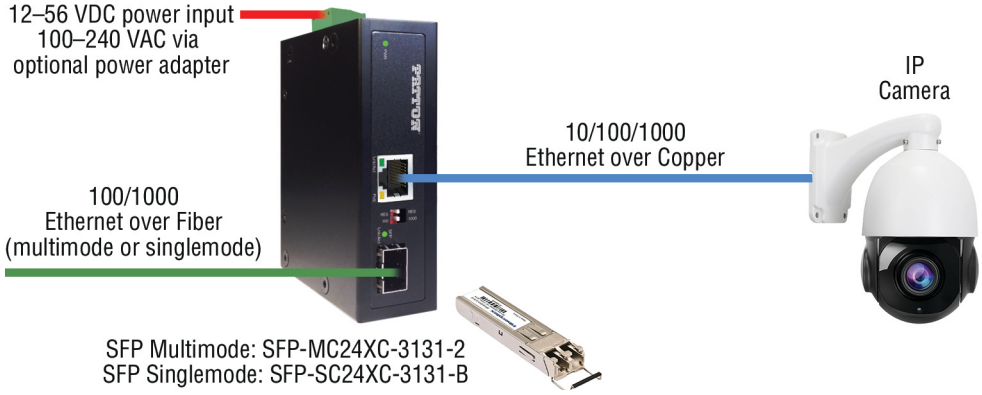
Patton's FP101E converts singlemode or multimode fiber to a copper Ethernet signal. The combination of high bandwidth and noise immunity of fiber makes these ideally suited for many applications including IP security cameras, IP speakers, VoIP phones, Wireless Access Points, POS kiosks, BACs, PLCs and more.

Because Ethernet over Cat 5e/6 cables is limited to only 100 meters (328 feet), using fiber as a backhaul allows for a massive increase in distances. SFP options for multimode can reach up to 2 km (1.24 miles) and singlemode options can range as far as 120 km (74 miles). In addition to the reach, you get Fiber's superior immunity to noise and, harmful transients (surges).

The FP101E is housed in an IP30 rated DIN rail, wall-mount enabled enclosure and has a wide operating temperature of -40 to 75°C (-40 to 167°F). Its rugged design and wide temperature range makes it an ideal media converter for industrial or harsh environments.

The Fiberplex 101E is very simple to use, completely plug and play. LEDs will make it clear when power is detected and when data is passing both on the copper and fiber lines.

Visit patton.com to view our huge selection of network connectivity products, SFPs and more.



FP101E application

PATTON® let's Connect!™

FiberPlex Industrial Gigabit SFP Media Converter

Specifications*

Ethernet Interfaces
X1x100/1000Mbps SFP Port

1xRJ-45 10/100/1000BaseT(X)

Auto MDI-X/MDI crossover

Auto-Negotiation, 10/100/1000 Mbps

Auto-Negotiation, Full or Half-Duplex

Networking
IEE 802.3x Flow Control and Back Pressure

Back-plane (switching fabric): 4 Gbps

Converter Mode: Port speeds are the same

Switch Mode/Store and Forward: Port speeds are not the same

Jumbo Frame: 16Kb

MAC Address Table Size: 1K

Packet Buffer Size: 512Kb

IEEE 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

Management
Plug and Play operation

LEDs:

- Power
- Copper TX Link & Activity
- Fiber (SFP) Link & Activity

DIP Switch Functions:

- Link Fault Pass Through On or Off
- SFP Speed 100 or 1 Gigabit

Alarm Relay Contact
Relay output w/ current carrying capacity of 1A@24VDC

Short Circuit Mode: Power fails

Open Circuit Mode: Power is connected

Power Input Connector
Removable 4-pin terminal block

Wire range: 0.34 to 2.5 mm^2

Solid wire (AWG): 12-24/14-22

Stranded wire (AWG): 12-24/14-22

Torque: 5lb-In/0.5Nm/0.56Nm

Wire Strip length: 7–8 mm

Power Input
4-pin terminal block, 12–56 VDC input

Relay switch for alarm

100–240 VAC via optional power adapter

Power Consumption
3 watts at 48 VDC full load

Physical
4.07L x 1.26W x 3.21D inches (103.5L x 32W x 81.5D mm)

Unit Weight: 2.5 lbs.

Shipping Weight: 3.0 lbs

Regulatory Approvals
Safety: LVD (EN62368-1)

EMC: CE, FCC, EN55032/24

EMI: CISPR 32, FCC Part 15B Class A

EMS:

- IEC 61000-4-2 ESD: Contact: 6KV; Air: 8KV
- IEC 61000-4-4 EFT: Power: 2KV; Signal: 2KV
- IEC 61000-4-5 Surge: Power: 2KV; Signal: 2KV

Free Fall: EN60068-2-32

Shock: EN60068-2-27

Vibration: EN60068-2-6

Environmental
Ambient Temperature

Operating: -40 to 75°C (-40 to 167°F)

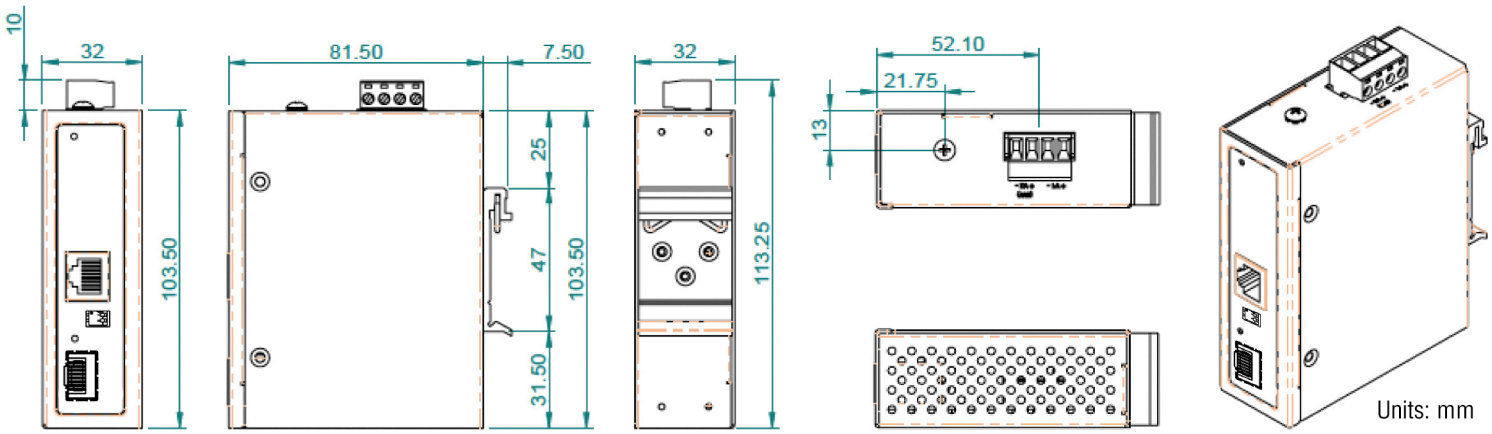
Storage: -40 to 85°C (-40 to 185°F)

Relative Humidity

5 to 95% non-condensing

Protection Class

IP30



Specifications subject to change without notice

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