



FVT-0103TXFC Version: 3

## 10/100BASE-TX to 100BASE-FX MMF SC PoE PD Converter, 2km

LevelOne's FVT-0103TXFC is new Power-over-Ethernet-converters that transfer data from 10/100BaseTX copper to fiber interfaces. These PoE Converters are designed to receive data and power from PoE networks and then to refer data out through fiber connections thus eliminating extra power cables to extend the usefulness of the network. LevelOne's PoE converter complies with IEEE802.3af standard. The10/100 Base-TX port auto-senses 10 or 100Mbps connection speeds, auto-negotiates half-/full-duplex modes, and auto-selects MDI-X media type. FVT-0103TXFC with high-quality Multi-mode SC optical fiber connector port, this converter will give your PoE network the ability to interface with fiber connections over a distance of up to 2km. With its compact design, our PoE converter easily fit on any limited space. No software is required. You can easily active this device by simply connecting it to the network cable and it's ready to go.

(power adapter not included)

### Key Features

- 10/100BASE-TX UTP to 100BASE-FX fiber media conversion
- Multi-mode transmission over fiber, up to 2 km
- High-quality SC optical fiber connector port
- Complies with IEEE 802.3af PoE standard as a PD device
- Over-current protection and under-current detection
- DIP Switch for customized configurations?

### Specifications

#### System Specifications

##### Standards & Protocols:

IEEE802.3 10Base-T Ethernet,  
 IEEE802.3u 100Base-TX Fast Ethernet,  
 IEEE802.3u 100Base-FX Fast Ethernet,  
 IEEE802.3x Flow Control ,  
 IEEE802.3af POE PD

##### Connectors and Cabling:

One RJ45 port: Connecting with STP/UTP category-5 twisted pairs  
 One optical port:  
 Multi-mode: SC (50, 62.5/125?m)

##### Wavelength(nm):

1310nm

**Indicator:**

Power, POE, TP LINK/ACT, FX LINK/ACT,  
TP 100, FX FDX

**Transmission Method:**

Store and Forward

**Power:**

5V@1A or Powered from PSE device

**Features****General:**

1. Compliance with the IEEE802.3af PoE (Power over Ethernet) PD standard
2. The automatic detection function of protective device used in PoE IEEE 802.3af can prevent the damage due to improper installation
3. Can get power supply from PSE endpoint or PSE midspan
4. 10/100Mbps auto-sensed, facilitating network upgrade
5. Built-in efficient switching core to implement flow control and reduce broadcast packets
6. Full-duplex and half-duplex auto-sensed
7. Supporting auto-sense of MDI/MDI-X, facilitating system commissioning and installation
8. Supporting the transmission of 100Base-Fx, compatible with other devices
9. Supporting the transmission of extra-long packets up to 1600 bytes
10. Extremely low power consumption (less than 3W), reliable and stable performance

**Performance****Operating Distance:**

2km

**Environment****Temperature (°C):**

-10 - 55

**Humidity (Non-condensing):**

5% - 90%

**Deployment:**

Desk, Wall,  
Chassis mounted

**Physical Specifications****Dimensions (W x D x H mm):**

71 x 94 x 26

**Weight (g):**

0.43kg

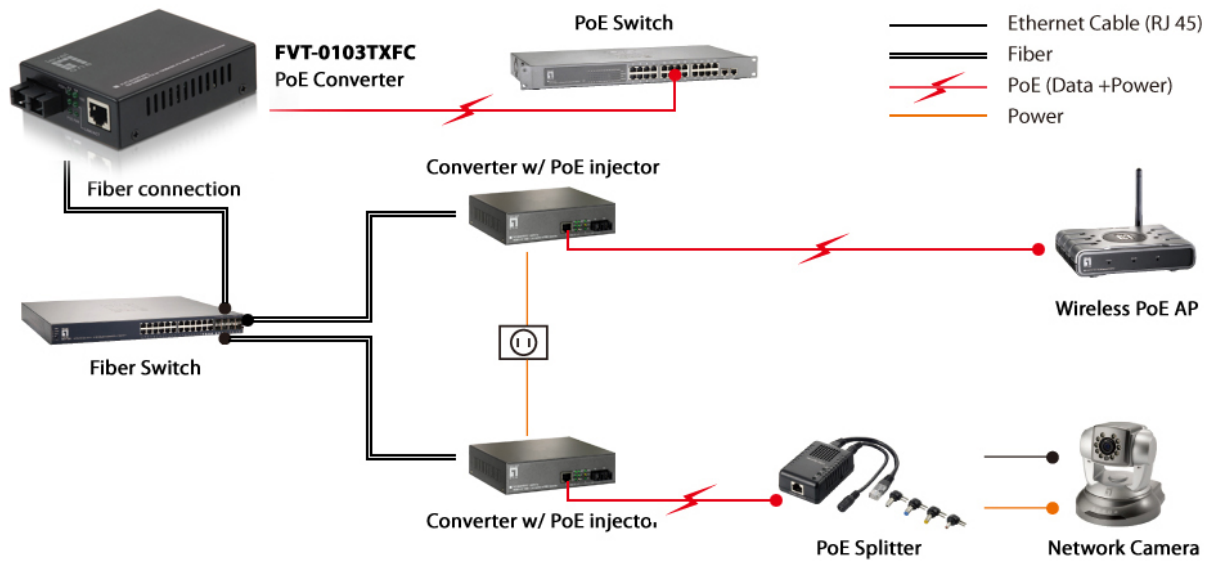
**Reliability****MTBF:**

30000h

**Others****Approval and Compliance:**

CE, FCC

## Diagram



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## Order Information

FVT-0103TXFC

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## Package Contents

FVT-0103TXFC

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