# ProCon_FVT-0203TXFC/ 0204TXFC

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## 100TX to 100FX-SC Converter w/POE Injector

**LevelOne's** 100TX to 100FX SC Converters with POE Injectors allows the user easily to connect different types of network segments to provide an ideal solution for extensive Wireless access point, VoIP Phone, and IP Surveillance System deployments.

The product fully complies with the IEEE 802.3af standard. It combines data received over fiber connection with 48VDC electrical power thus easily providing power to a remote POE device over an existing standard Ethernet unshielded twisted pair cable. Your network devices can thus be installed in more appropriate position for better performance. The converter includes PD signature sensing and power monitoring features. Other advantages include over-current protection, under-current detection and fault protection input. The LFP (Link Fault Pass-through) allows the converter to monitor both the fiber and copper RX ports for loss of signal. The FEF (Far End Fault) enables the converter to stop sending link pulse to the link partner once a loss of the fiber RX signal is encountered.

This product comes in two models: FVT-0203TXFC with Multi-mode SC connector and FVT-0204TXFC with Single-mode SC connector. These converters will give your POE network the ability to interface with fiber connections over a distance of up to 20km.



**FVT-0203TXFC**
**FVT-0204TXFC**

***Related Products***



**FVT-0103TXFC**
100TX to 100FX-SC MM POE Converter

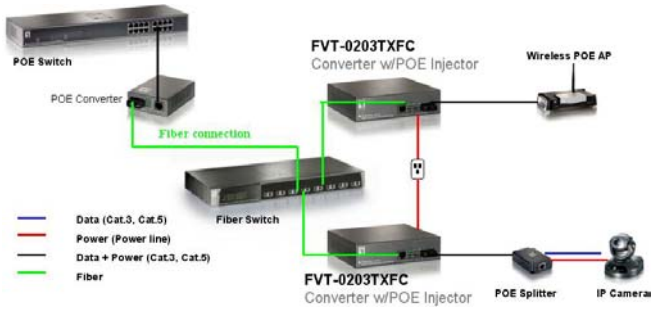


**FVT-0104TXFC**
100TX to 100FX-SC SM POE Converter

## Key Features

- 10/100Base-TX UTP to 100Base-FX fiber media conversion
- Complies with IEEE 802.3af POE standard
- Power from IEEE 802.3af PSE or PoE injector
- Internal AC power supply
- LFP and Far End fault
- Choice of SC connectors for multi- and single-mode
- DIP Switch to set configurations

## Product Diagram




## Technical Specification

- **Standards Compliance**
  IEEE 802.3/ IEEE 802.3u
  IEEE 802.3af Power Over Ethernet
- **Connector**
  10/100Base-TX: STP RJ-45
  100Base-FX: MM SC, SM SC
- **Fiber Cable**
  50/125, 62.5/125 or 100/140μm multi-mode (support up to 2km)
  8.3/125, 8.7/125, 9/125 or 10/125μm single-mode (support up to 20km)
- **Data Transfer Rate**
  100Mbps: 148,800 pps
  10Mpbs: 14,880 pps
- **Flow control**
  IEEE802.3x for full-duplex
  Backpressure flow control for half-duplex
- **LED Indicators**
  Power, PoE, TP Link/Act, 100, FX Link/Act, FDX/COL, Power Bad, Power
- **Power Requirement**
  100~240 VAC, 50~60 Hz
- **Power Consumption**
  24W
- **Temperature**
  Operating: 0˚C ~50˚C
- **Humidity**
  5%~90% (RH)
- **Dimension**
  40(H) x 158(W) x 133(D) mm
- **Certification**
  FCC, CE

## Ordering Information

- FVT-0203TXFC: 100TX to 100FX-SC Multi-Mode Converter w/ POE Injector (2km)
- FVT-0204TXFC: 100TX to 100FX-SC Single-Mode Converter w/ POE Injector (20km)

For more information, please contact your LevelOne representative, or visit www.level1.com
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