

FT-7 / FT-8 Series

Fast Ethernet Media Converter



The PLANET Fast Ethernet 100Base-FX fiber to 100Base-TX shielded twisted pair (STP) converter. It supports selectable for half-duplex and full-duplex operations and supports a variety of fiber options. The converter auto-adapts to the highest level of performance supported by the device connected to the STP port. When the device is a switch or a workstation that supports full duplex, the converter adapts to the full-duplex mode and provides an effective 200Mbps bandwidth. When the connected device is a hub or a workstation that supports only half duplex, the converter adapts to the half-duplex mode and provides the nominal 100Mbps bandwidth. An override switch provides total manual control over the half/full-duplex operation, in fiber-optic interface (FT-801/802). The fiber port of converter operates at 1310 nm and uses SC, ST, VF-45, or MT-RJ connectors. Multi-mode models that support distances up to 2 km and single-mode models that support distances up to 15/20/35/50 km are available.

▶▶ KEY FEATURE

- ❑ Comply with IEEE802.3, IEEE802.3u 10/100Base-TX, 100Base-FX Standard
- ❑ Connectors :One RJ-45 Twisted Pair, EIA568
- ❑ One Fiber-optic, 1310nm wavelength, connector-type and distance vary with model
- ❑ Data Transfer Rate: 100Mbps
- ❑ Duplex mode support : Full or half-duplex mode by Auto- Negotiation
- ❑ LED indicators: PWR, FX LNK/ACT, FX FDX/COL, TP 100, TP 100 LNK/ACT, TP FDX/COL
- ❑ LFP function Support (FT-80X only)

▶▶ SPECIFICATION

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|------------------------------|------------------------|---|
| Product | | Fast Ethernet Media Converters |
| Model | | FT-7 and FT-8 series |
| Protocol | | IEEE 802.3u, 100Base-FX, 100Base-TX |
| Connectors and Cables | Twisted Pair STP | RJ45, Category 5 (EIA/TIA 568) |
| | Multi-mode Fiber Optic | 50 / 125, 62.5/125 μm |
| | Single-Mode(SM) | 9 / 125 μm |
| Supported Distances | Twisted Pair STP | 100 m / 328 ft. |
| | Multi-mode Fiber Optic | 412 m / 1,350 ft. (Half-Duplex) 2 km / 1.2 mile. (Full-Duplex) |
| | Single-Mode(SM) | 412 m / 1,350 ft. (Half-Duplex) 15 km / 9 mile. (Full-Duplex) |
| Dimensions | | 70 x 97 x 26 mm (W x D x H) |
| Weight | | 0.2kg |
| Power | | 5V DC, 2A, max. |
| Environmental | Temperature | 0 to 50 degrees C |
| | Humidity | 5-90% (non-condensing) |

▶▶ ORDERING INFORMATION

- ▶ **FT-701B** 100Base-FX to 100Base-TX (ST, MM) Media Converter
- ▶ **FT-702B** 100Base-FX to 100Base-TX (SC, MM) Media Converter
- ▶ **FT-702S15** 100Base-FX to 100Base-TX(SC,SM, 15Km) Media Converter
- ▶ **FT-702S35** 100Base-FX to 100Base-TX (SC, SM, 35Km) Media Converter
- ▶ **FT-702S50** 100Base-FX to 100Base-TX (SC, SM, 50Km) Media Converter
- ▶ **FT-703** 100Base-FX to 100Base-TX (MT-RJ, MM) Media Converter
- ▶ **FT-704** 100Base-FX to 100Base-TX (VF-45, MM) Media Converter
- ▶ **FT-705** 100Base-FX to 100Base-TX (LC, MM) Media Converter
- ▶ **FT-706A15** 100Base-FX to 100Base-TX (SC, SM) Media Converter (TX: 1310nm)
- ▶ **FT-706B15** 100Base-FX to 100Base-TX (SC, SM) Media Converter (TX: 1550nm)
- ▶ **F T-801** 100Base-FX to 10/100Base-TX (ST, MM) Bridge Media Converter
- ▶ **FT-802** 100Base-FX to 10/100Base-TX (SC, MM) Bridge Media Converter
- ▶ **FT-803** 100Base-FX to 10/100Base-TX (MT-RJ, MM) Bridge Media Converter
- ▶ **FT-802S15** 100Base-FX to 10/100Base-TX (SC,SM, 15Km) Bridge Media Converter
- ▶ **FT-802S35** 100Base-FX to 10/100Base-TX (SC, SM, 35Km) Bridge Media Converter
- ▶ **FT-802S50** 100Base-FX to 10/100Base-TX (SC, SM, 50Km) Bridge Media Converter
- ▶ **FT-806A20** 100Base-FX to 10/100Base-TX (SC,SM) Bridge Media Converter (TX: 1310nm)
- ▶ **FT-806B20** 100Base-FX to 10/100Base-TX (SC,SM) Bridge Media Converter (TX: 1550nm)



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