

# Web Smart Fast Ethernet Media Converter



The Web-Smart FT-902, FT-902S, FT-905A and FT-906A/B series Media Converters support conversion between 10/100Base-TX and 100Base-FX network. There are SC/SFP/WDM connectors and single-mode/multi-mode media for your needs. Ethernet signal that allows two types of segments to connect easily, efficiently and inexpensively. This converter can be used as a stand-alone unit or as a slide-in module to the PLANET Media Converter Chassis (MC-700, MC-1000 and MC-1500).

Each Web-Smart converter is able to manage through the Web Interface. The powerful Web-Smart Media Converter supports flow control, QoS, bandwidth control and Ingress/Egress rate control, etc. The statistics functions of the Web-Smart converter helps administrators to remote analyses and count the packet flow of the current Ethernet link. Management function helps reduce the amount of valuable time that a network administrator spends detecting and locating network issues, otherwise it requires visual inspection of cabling and equipment.

The Web-Smart function also includes the LLR and Loop Back Test. LLR can immediately alarm administrators the issues of the link media and provide efficient solution to monitor the net. It provides more flexible settings for converters.

## KEY FEATURE

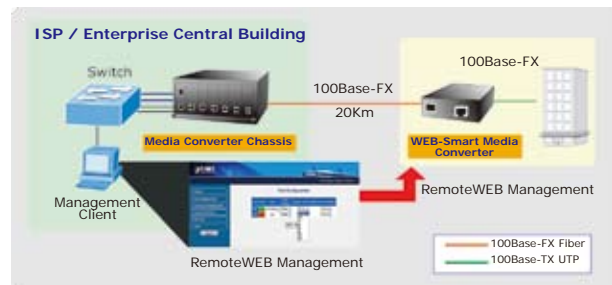
- **One-channel media conversion between 10/100Base-TX and 100Base-FX**
- **Complies with IEEE 802.3, IEEE 802.3u 10/100Base-TX, 100Base-FX standard**
- **Auto-Negotiation for 100Base-TX Half-Duplex or 100Base-TX Full-Duplex**
- **Supports auto MDI/MDI-X function on RJ-45 Port**
- **Compact size work with PLANET MC family Media Chassis (MC-700/1000R/1500)**
- **Built-in IP-Base Web interface for remote management**
- **Supports PLANET Smart-DISCOVERY Utility for deploy management**
- **TS1000/OAM function support for remote monitoring and configure**
- **Layer 2 Smart feature**
  - IEEE 802.3x Full-Duplex Flow-Control and Back-Pressure in Half-Duplex eliminate the loss of packets
  - Supports Maximum frame size to 2Kbytes
  - Store-and-forward mechanism
  - Supports two levels of priority queue
  - Supports QoS Scheme (Port based & 802.1p)
  - Supports Bandwidth Control (Kbps) for both Ingress and Egress
  - Supports Broadcast Storm Control to optimize network bandwidth
  - Supports Ethernet Statistics on both TP and Fiber interface
  - Look Back Test Function(LBT)
  - Firmware upgrade via HTTP protocol
- **LED indicators for easy network diagnosing**
- **Reset Button at the front panel for resetting to factory default**
- **Choice of fiber-connector from SC, WDM, multi-mode / single-mode fiber /100Base SFP**

**SPECIFICATION**
**Product** Web Smart Fast Ethernet Media Converter

Model	FT-902	FT-902S15	FT-902S35	FT-902S50	FT-905A	FT-906A20	FT-906B20
<b>Hardware Specification</b>							
<b>Standards</b>	IEEE 802.3, 10Base-T IEEE 802.3u, 100Base-TX, 100Base-FX IEEE 802.3x Flow Control IEEE 802.1p Class of Service						
<b>Ports</b>	1 x 10/100Base-TX port 1 x 100Base-FX port						
<b>Copper Ports</b>	RJ-45 port (Auto-MDI/MDI-X) Twisted Pair						
<b>Optic Interface</b>	SC			SFP		WDM	
<b>Optic Wavelength</b>	1300nm	1310nm		-		TX:1310nm RX:1550nm	TX:1550nm RX:1310nm
<b>Speed</b>	Twisted-pair: 10/20Mbps for Half / Full-Duplex 100/200Mbps for Half / Full Duplex 200Mbps for Full-Duplex						
<b>Fiber-optic</b>	Twisted-Pair: 10Base-T: 2-pair UTP Cat. 3,4,5, up to 100 m 100Base-TX: 2-pair UTP Cat. 5, up to 100 m 50/125µm or 62.5/125µm multi-mode fiber cable, up to 2km. 9/125µm single-mode cable, provides long distance for 15/20/35/50km or longer (very on SFP module)						
<b>LED Indicator</b>	PWR TP LINK / ACT, TP FDX, TP SPEED Fiber LINK / ACT, Fiber FDX						
<b>Power Consumption</b>	5.5 Watts (maximum)						
<b>Power Input</b>	5V / 2A						
<b>Dimensions</b>	93 x 69 x 25 mm						
<b>Operator Environment</b>	Operating temperature: 0 to 50 degree C; Humidity: 10~90% non-condensing						
<b>Storage Environment</b>	storage temperature: -25 to 70 degree C; Humidity: 10~90% non-condensing						
<b>Emissions</b>	FCC Class A, CE Class B						

**APPLICATIONS**
**Fiber-optic Networking for ISP, enterprise, and home**

With high performance of data transmission and easy installation, the FT-90x can build an ISP network solution of FTTH (Fiber to the Home) or FTTC (Fiber to the Curb) for ISPs and FTTB (Fiber to the Building) for small office network environment from enterprises. The Web Management helps network administrators to monitor and setup the converter, speed and duplex through web browsers.


**ORDERING INFORMATION**

FT-902	10/100Base-TX to 100Base-FX Web Smart Media Converter (SC, MM) -2km
FT-902S15	10/100Base-TX to 100Base-FX Web Smart Media Converter (SC, SM) -15km
FT-902S35	10/100Base-TX to 100Base-FX Web Smart Media Converter (SC, SM) -35km
FT-902S50	10/100Base-TX to 100Base-FX Web Smart Media Converter (SC, SM) -50km
FT-905A	10/100Base-TX to 100Base-FX Web Smart Media Converter (SFP)-up to 60km
FT-906A20	10/100Base-TX to 100Base-FX Web Smart Media Converter (WDM, SM, TX: 1310 RX: 1550) -20km
FT-906B20	10/100Base-TX to 100Base-FX Web Smart Media Converter (WDM, SM, TX: 1550 RX: 1310) -20km

**Related SFP modules (For FT-905A only)**

MFB-FX	SFP-Port 100Base-FX Transceiver (1310nm) -2km
MFB-F20	SFP-Port 100Base-FX Transceiver (1310nm) -20km
MFB-FA20	SFP-Port 100Base-BX Transceiver (WDM,TX: 1310nm) -20km
MFB-FB20	SFP-Port 100Base-BX Transceiver (WDM,TX: 1550nm) -20km