

# Web Smart Gigabit Ethernet Media Converter



The Web-Smart GT-902, GT-902S, GT-905A and GT-906A/B series Media Converters support conversion between 10/100/1000Base-T and 1000Base-SX/LX 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 VLAN, 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 problems, otherwise it requires visual inspection of cabling and equipment. The key features are shown as below:

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- IEEE 802.1Q VLAN
- IEEE 802.3ah OAM
- Bandwidth Control
- Q-in-Q Tunnel
- L2-L4 QoS
- SNMP / SNMP Trap

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

## KEY FEATURES

- One-channel media conversion between 10/100/1000Base-T and 1000Base-SX/LX
- Built-in IP-Base Web interface and SNMP for remote management
- Complies with IEEE 802.3, IEEE 802.3u 10/100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-SX/LX
- Auto-Negotiation and Auto-MDI/MDIX for 1000Base-T
- Layer 2 Smart Feature

*IEEE 802.3x Full-duplex flow-control, back-pressure in half-duplex eliminate packets loss*

*Support Maximum frame size to 9Kbytes.*

*MAC Address Base Security*

*Support 4 priority queue level*

*Support WRR QoS Scheme (Port based, 802.1p and DSCP, IP based and ACL base priority)*

*Support 802.1Q VLAN Tag Insertion & Removal, up to 16 VLAN groups*

*Support Q-in-Q*

*Support 16-entry ACL for advanced application*

*TS-1000 version 1 and version 2 OAM function*

*Support Bandwidth Control (Kbps)*

*Support RMON MIB Counters*

*Ethernet statistics, Ethernet History, Alarm,*

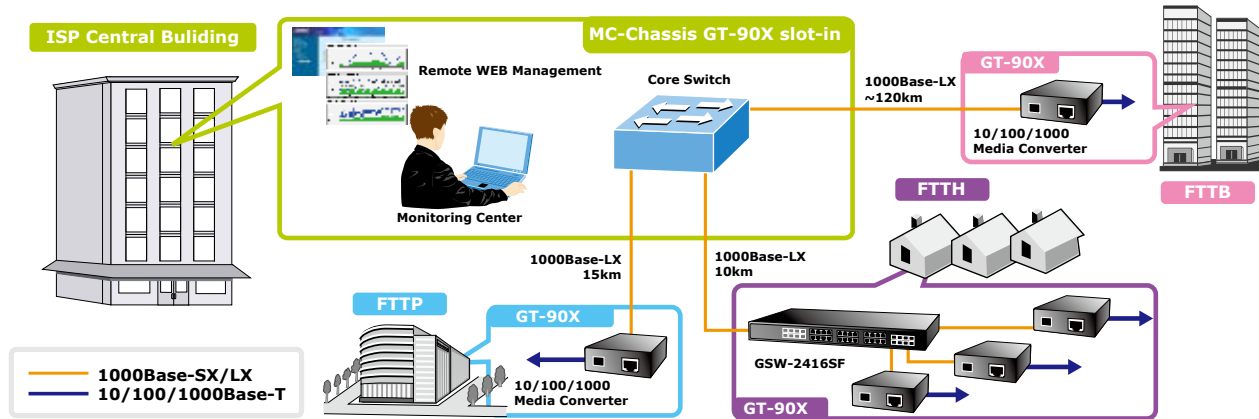
*Firmware upgrade via HTTP protocol*

- LED indicators for easy network diagnose
- Compact size / Wall mountable
- Co-work with PLANET MC family Media Chassis ( MC-700/1000R/1500)
- Reset Button at the front panel for reset to factory default
- Supports PLANET EASY-DISCOVERY Utility for deploy management
- Choice of fiber-connector from SC, WDM and SFP, multi-mode / single-mode fiber

**APPLICATIONS**

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

With high performance of data transmission and easy installation, the GT-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.



**SPECIFICATION**

Product	Web Smart Gigabit Ethernet Media Converter						
Model	GT-902	GT-902S	GT-905A	GT-906A15	GT-906B15	GT-906A60	GT-906B60
<b>Hardware Specification</b>							
Hardware Specification	IEEE 802.3, 10Base-T IEEE 802.3u, 100Base-TX IEEE 802.3ab, 1000Base-T IEEE 802.3z, 1000Base-SX/LX IEEE 802.3x Flow Control IEEE 802.1p Class of Service IEEE 802.1Q VLAN						
Ports	1 x 10/100/1000Base-T port, 1 x 1000Base-SX/LX port						
Optic Interface	RJ-45 port (Auto-MDI/MDI-X) Twisted Pair						
Network Interface	SC		SFP Slots		WDM		
Optic wavelength	850nm	1310nm	--	TX:1310nm RX:1550nm	TX:1550nm RX:1310nm	TX:1310nm RX:1550nm	TX:1550nm RX:1310nm
Speed	Twisted-pair	10/20Mbps for Half/Full-Duplex 100/200Mbps for Half/Full Duplex 2000Mbps for Full-Duplex					
	Fiber-optic	2000Mbps for Full-Duplex					
Cable	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 1000Base-T: 4-pair STP cat 5 up to 100m					
	Fiber-optic cable	50/125µm or 62.5/125µm multi-mode fiber cable, up to 220/550m. 9/125µm single-mode cable, provides long distance for 10/15/20/30/40/50km or longer (very on SFP module)					
LED indicator	PWR, TP LINK/ACT, 1000 Fiber LINK/ACT						
Power consumption	5.5 Watts (maximum)						
Power Input	5V/2A						
Operator Environment	Operating temperature: 0 to 50 degree C; Humidity: 10~90% non-condensing						
Storage Environment	storage temperature: -25 to 70 degree C; Humidity: 10~90% non-condensing						
Emissions	FCC Class A, CE Class A						

**ORDERING INFORMATION**

<b>GT-902</b>	10/100/1000Base-T to 1000Base-SX/LX Web Smart Media Converter (SC, MM)-550m
<b>GT-902S</b>	10/100/1000Base-T to 1000Base-SX/LX Web Smart Media Converter (SC, SM)-10km
<b>GT-905A</b>	10/100/1000Base-T to 1000Base-SX/LX Web Smart Media Converter (SFP)-up to 120km
<b>GT-906A15</b>	10/100/1000Base-T to 1000Base-SX/LX Web Smart Media Converter (WDM, SM, TX:1310 RX:1550)-15km
<b>GT-906B15</b>	10/100/1000Base-T to 1000Base-SX/LX Web Smart Media Converter (WDM, SM, TX:1550 RX:1310)-15km
<b>GT-906A60</b>	10/100/1000Base-T to 1000Base-SX/LX Web Smart Media Converter (WDM, SM, TX:1310 RX:1550)-60km
<b>GT-906B60</b>	10/100/1000Base-T to 1000Base-SX/LX Web Smart Media Converter (WDM, SM, TX:1550 RX:1310)-60km

**AVAILABLE MODULES**

<b>MGB-GT</b>	SFP-Port 1000Base-T Module
<b>MGB-SX</b>	SFP-Port 1000Base-SX mini-GBIC module
<b>MGB-LX</b>	SFP-Port 1000Base-LX mini-GBIC module
<b>MGB-L30</b>	SFP-Port 1000Base-LX mini-GBIC module-30KM
<b>MGB-L50</b>	SFP-Port 1000Base-LX mini-GBIC module-50KM
<b>MGB-L70</b>	SFP-Port 1000Base-LX mini-GBIC module-70KM
<b>MGB-L120</b>	SFP-Port 1000Base-LX mini-GBIC module-120KM
<b>MGB-LA10</b>	SFP-Port 1000Base-LX (WDM,TX:1310nm) mini-GBIC module-10KM
<b>MGB-LB10</b>	SFP-Port 1000Base-LX (WDM,TX:1550nm) mini-GBIC module-10KM
<b>MGB-LA20</b>	SFP-Port 1000Base-LX (WDM,TX:1310nm) mini-GBIC module-20KM
<b>MGB-LB20</b>	SFP-Port 1000Base-LX (WDM,TX:1550nm) mini-GBIC module-20KM
<b>MGB-LA40</b>	SFP-Port 1000Base-LX (WDM,TX:1310nm) mini-GBIC module-40KM
<b>MGB-LB40</b>	SFP-Port 1000Base-LX (WDM,TX:1550nm) mini-GBIC module-40KM