

Gigabit Ethernet Media Converter



As the need for distance extension, PLANET, now, releases the Gigabit Ethernet Converters, GT-702/GT-705 – the 1000Base-SX to 1000Base-T converter and GT-702S – the 1000Base-LX to 1000Base-T converter. The GT-702/GT-702S/GT-705 is compact size Gigabit Ethernet Converters for twisted-pair to fiber-optic media type conversion. Fully complies with IEEE802.3z, 1000Base-SX / 1000Base-LX and IEEE802.3ab, 1000Base-T, the Gigabit media conversion is just as simple as plug and play.

The GT-702/GT-702S/GT-705 with compact design can be used with provided external power adapter or installed on PLANET's media converter chassis. With support for full-duplex, the GT-702/GT-702S/GT-705 provide a truly Gigabit fiber conversion from SX /LX to Ethernet 1000Mbps twisted-pair connection in a cost-effect way.

KEY FEATURE

- Complies with IEEE802.3z, 1000Base-SX / 1000Base-LX, IEEE802.3ab 1000Base-T
- Compact in size, easy installation
- 1000Base-SX interface for up to 220 meters (multi-mode fiber 62.5mm/125mm) and 550 meters (multi-mode 50mm /125mm) on GT-702 and GT-705
- 1000Base-LX interface for up to 10km (single mode fiber 9mm/125mm) on GT-702S
- DIP Switch to enable/disable Auto-negotiation bypass function
- Full-duplex supports for TP and fiber port
- Can be installed on PLANET's media converter chassis

SPECIFICATION

Product **Gigabit Ethernet Media Converter**

Model	GT-702 / GT-705	GT-702S
Standards	IEEE802.3z, 1000Base-SX / 1000Base-LX IEEE802.3ab, 1000Base-T	
Connectors	1 TP RJ-45, MDI/ MDI-X auto-detection 1 Multi-mode fiber-optic SC connectors	1 TP RJ-45, MDI/ MDI-X auto-detection 1 Single-mode / Multi-mode fiber-optic
Data Transfer Rate	Twisted Pair: 1000Mbps Fiber-optic 1000Mbps	
Duplex mode support	Twisted pair: Auto-Negotiation for half-duplex, full-duplex Fiber-optic: Full duplex mode only	
Wavelength	1000Base-SX: 850nm	1000Base-LX: 1300nm
LED indicator	PWR, FDX, TP ACT, TP LNK, Fiber ACT, Fiber LNK,	
Power Requirement	5V DC, 1A	
Power Consumption	5 watt. max. / 17.1BTU/hr max.	
Ambient Temperature	0oC to 50oC (operating)	
Humidity	5% to 90% (non-condensing)	
Dimension	26mm(H) x 70mm(W) x 97mm (D)	
Cable	Twisted Pair: Category 5/5e, 4-pair Fiber-Optic (1000Base-SX): Multi-mode, 62.5/125mm, 50/125mm optic fiber	Twisted Pair: Category 5/5e, 4-pair Fiber-optic (1000Base-LX) Multi-mode, 62.5/125mm, 50/125mm. Single-mode, 9/125mm optic fiber
Maximum Limitations	1000Base-T: Category 5/5e, 4-pair, 100 meters 1000Base-SX: MM 62.5/125mm optic fiber, 220 meters MM 50/125mm optic fiber, 500 meters	1000Base-LX: MM 62.5/125 and 50/125mm optic fiber, 550 meters SM 9/125mm optic fiber, 10km

APPLICATIONS

Gigabit Ethernet distance extension

With the conversion, you can easily have the distance of Gigabit Copper extended up to 550 meters for GT-702/GT-705 and up to 10km for GT-702S without pull out the Copper switch and replaced with Gigabit fiber Switch.

Gigabit Media conversion

Direct convert the media for the Gigabit fiber to Twisted pair interface, for example, wire between Gigabit Fiber Switch and Gigabit Copper Network Card.

ORDERING INFORMATION

GT-702	Gigabit Ethernet Media Converter (SC Type, 1000Base-SX to 1000Base-T)
GT-702S	Gigabit Ethernet Media Converter (SC Type, 1000Base-LX to 1000Base-T)
GT-705	Gigabit Ethernet Media Converter (LC Type, 1000Base-SX to 1000Base-T)

* Different distances are available upon request