



Gigabit Ethernet Media Converter



The Gigabit Ethernet Converters, GT-802 (1000Base-SX to 1000Base-T converter) and GT-802S (1000Base-LX to 1000Base-T converter) are compact Gigabit Ethernet Converters for twisted-pair to fiber-optic media type conversion. Fully compliant 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-802/GT-802S/GT-805A with compact design can be used with provided external power adapter or installed in a 7 or 15 channel media converter chassis. With support for full-duplex, the GT-802 / GT-802S / GT-805A provide a truly Gigabit fiber conversion from SX /LX to Ethernet 1000Mbps twisted-pair connection in a cost-effective way.

Key Features

- ✓ Complies with IEEE802.3 10 Base-T, IEEE 802.3u 100 Base-TX, IEEE802.3ab 1000Base-T ,1000Base IEEE802.3z, 1000Base-SX/1000Base-LX,
- ✓ Compact in size, easy installation
- ✓ 1000Base-SX interface for up to 550 meters (multi-mode fiber 50/125um) and 220 meters 62.5/125um (multi-mode) on GT-802 with distance for GT-805A dependent on choice of SFP
- ✓ 1000Base-LX interface for up to 10km (single mode fiber 9/125um) on GT-802S
- ✓ Auto-negotiation for 10/100/1000 Base-T; Half Duplex or Full Duplex for 10 and 100 Mbps
- ✓ Wall Mountable Design
- ✓ Can be installed on either 7 Channel MC-700 or 15 channel MC-1500 media converter chassis

Applications

Gigabit Ethernet Distance Extension

With the conversion, you can easily have the distance of Gigabit Copper extended up to 550 metres for GT-802 and up to 10km for GT-802S without changing the Copper switch to a Gigabit fiber Switch. The GT-805A enables even greater distances through choice of an appropriate SFP module.

Gigabit Media conversion

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

Specifications

Model	GT-802 / GT-805A	GT-802S
Standards	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-SX IEEE 802.3z 1000Base-LX	
Connectors	1 TP RJ45, MDI/ MDI-X auto-detection 1 Multi-mode fiber-optic SC connector GT-805A (SFP LC Depending on Module Selected)	1 TP RJ45, MDI/ MDI-X auto-detection 1 Single-mode fiber-optic SC Connector
Data Transfer Rate	Twisted Pair 10/20Mbps for Half / Full-Duplex 100/200Mbps for Half / Full-Duplex 2000Mbps for Full-Duplex Fiber-Optic 2000Mbps	
Duplex Mode Support	Twisted pair Auto-Negotiation for half-duplex, full-duplex	



GT-80x

	Fiber-optic	Full duplex mode only		
Wavelength	1000Base-SX	850nm	1000Base-LX	1310nm
LED indicators	PWR, FDX, TP ACT, TP LNK, Fiber ACT, Fiber LNK			
Power Requirement	5VDC, 2A			
Power Consumption	5 Watt max / 19 BTU/hr max			
Dimension	26 x 70 x 97 mm			
Cable	Twisted Pair Category 5/5e, 4-pair Fiber-Optic (1000Base-SX) GT-802 Multi-mode: 62.5/125um, 50/125um GT805A SFP Dependent		Twisted Pair Category 5/5e, 4-pair Fiber-optic (1000Base-LX) Single-mode: 9/125um optic fiber	
Maximum Limitations	1000Base-T: Category 5/5e, 4-pair, 100 metres GT-802 1000Base-SX: MM 62.5/125um optic fiber, 220 metres MM 50/125um optic fiber, 550 metres GT-805A SFP Dependent		1000Base-T: Category 5/5e, 4-pair, 100 metres 1000Base-LX: SM 9/125um optic fiber, 10km	
Ambient Temperature	0 – 50 degrees C (operating)			
Operating Humidity	5% to 90% relative humidity, non-condensing			

Ordering Information

GT-802	10/100/1000Base-T to 1000Base-SX (SC, MM) Media Converter -220m/550m
GT-802S	10/100/1000Base-T to 1000Base-LX (SC, SM)-Media Converter -10km
GT-805A	10/100/1000Base-T to 1000Base-SX/LX (mini-GBIC, SFP) Media Converter – distance depend on SFP module

Contact Details: