

Product Introduction & Benefits

The OPT-2100 media converters were specifically designed to offer network designers the tools for migration from copper based Gigabit to fiber based Gigabit Ethernet. Now, migration or expansion of existing networks can be achieved with minimum cost and complexity. The converters are completely transparent when installed so the network performs exactly the way it would do normally-only now, it can migrate both copper and fiber mediums.

This flexibility in cabling allows network managers to put fiber cables anywhere with in a network without changing the arrangement of copper based Gigabit segments. Their compact size allows the converter to be easily deployed in any narrow desktop location or used in wall-mount installation to save space. Several converters can be simultaneously installed by using the OPT-R16 16-slot 19" rack-mount chassis.

**Main Features:**

- Complies with IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-SX/LX standard
- Auto MDI/MDI-X support on RJ-45 port
- Auto polarity correction on RJ-45 port
- Local and Remote loopback test for first time installation and troubleshooting
- Low power consumption
- Extends distances up to 220m for multi-mode SX (80km with long haul single mode) under full duplex mode
- Compatible with other Gigabit 1000Base-T/SX/LX devices
- Status LEDs for easy monitoring of device status
- External power supply
- Chassis compliant (internal power supply)
- FCC Class A & CE approved





OPT-2100

Gigabit 1000Base-T to SX/LX Converter

Specifications:

Standards:	IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-SX/LX	MDI/MDI-X	Auto Selection
Connector:	1 x RJ-45 1 x Fiber (SC)	Power:	Power Input: 5V DC, external power supply adapter Frequency: 47Hz to 63Hz
Max. Distance:	UTP: 100 meters (Cat. 5) Fiber: up to 80km (single-mode)	Temperature:	Operating: 0°C to 70°C Storage: -20°C to 80°C
Unit LED:	PWR: Illuminated for normal operation FD: Illuminated when working in full duplex mode LNK: Illuminated when receiving link pulses from compliant devices SPD:	Humidity:	Operating: 10% to 80% RH Storage: 5% to 90% RH
		Emissions:	FCC Part 15 of Class A & CE approved
		Dimensions:	105 x 81 x 26.2mm (D x W x H)
		Weight:	0.6Kg

Ordering Information:

OPT-2100	1000Base-Tx to 1000Base-SX	multi mode 550m	SC
OPT-2100S10	1000Base-Tx to 1000Base-LX	Single mode 10Km	SC
OPT-2100S20	1000Base-Tx to 1000Base-LX	Single mode 20Km	SC
OPT-2100S80	1000Base-Tx to 1000Base-LX	Single mode 80Km	SC

WDM Media converter Converter

OPT-3100S10	1000Base-Tx to 1000Base-FX	BIDI 10Km	SC
OPT-3100S20	1000Base-Tx to 1000Base-FX	BIDI 20Km	SC
OPT-3100S60	1000Base-Tx to 1000Base-FX	BIDI 60Km	SC
OPT-3100S80	1000Base-Tx to 1000Base-FX	BIDI 80Km	

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