GIGABITE CONVERTER

MC1000 Series
MC1200 Series
MCR116 Series

MC1000 Series
Gigabite Series

1000BASE-T to 1000BASE-SX/LX Gigabit Ethernet Media Converter

The MC1000 Series are standalone fiber media converters available in models for 1000Base-T, 1000Base-SX/LX Gigabit Ethernet Standard. The MC1000 of Ethernet Fiber Converters give you the options to choose from the most popular fiber cabling connector, SC. Both multi-mode and single mode converter models are available. The Ethernet connections are all provided by shielded RJ-45 jacks and incorporate either a connector pair or a selector switch to allow connection to either HUB or PC equipment. LED indicators signal the power status of the converter, UTP port speed, duplex status and Link & Activity. The transmission distance over single-mode cable up to 40KM without the need for any software drivers.

Features

- Compliant with IEEE802.3z 1000BASE-SX/LX Gigabit Ethernet Standard
- Provides two 1000BASE-SX/LX port with SC connector supporting either multi-mode fiber or single-mode fiber
- LED Indication: Power, Link
- Full and Half Duplex operation
- Extended distance for single-mode fiber optic up to 40km (24.8ml)
- Extended single-mode fiber optic distance up to 75km (46.6ml) Wall-mountable
- Provided 19" system chassis for up to 16-converter with
- Redundant Power supply for optional Expansion use

Specification

Standard
* IEEE 802.3ab 1000BASE-T
* IEEE 802.3z 1000BASE-SX
* IEEE 802.3z 1000BASE-LX
Network Media
* 1000BASE-T:
4 pair Cat. 5, EIA/TIA-568 100-ohm screened twisted-pair (STP), up to 100m
* 1000BASE-SX:
- 62.5/125 multi-mode fiber optic cable, up to 220m
- 50/125 multi-mode fiber optic cable, up to 550m
* 1000BASE-LX:
- 62.5/125 multi-mode fiber optic cable, up to 550m
- 10/125 single-mode fiber optic cable, up to 20km
Protocol
* CSMA/CD
Number of Ports
* 1 x 1000BASE-T
* 1 x 1000BASE-SX/LX
Network Data Transfer Rate
* 2000Mbps (Full-duplex)

Diagnostic LEDs
* Per unit: Power
* Per port: Link/Activity
Power Adapter
* 7.5VDC/1.5A
Power Consumption
* 7.2 watts. (max.)
Dimensions (W x D x H)
* 120 x 88 x 25 mm
Temperature
* Operating: 0 ~ 40 oC
* Storage: -25 ~ 70 oC
Humidity
* Operating: 10% ~ 90% RH
* Storage: 5% ~ 90% RH
Emission
* FCC Class A
* CE mark Class A
* VCCI-A

MC1200 Series
Gigabite Series

1000BASE-SX/LX to 1000BASE-SX/LX Gigabit Ethernet Media Converter

The MC1200 Series are standalone fiber media converters available in models for 1000Base-SX/LX, 1000Base-SX/LX Gigabit Ethernet Standard. The MC1200 of Ethernet Fiber Converters give you the options to choose from the most popular fiber cabling connector, SC. Both multi-mode and single mode converter models are available. The Ethernet connections are all provided by shielded RJ-45 jacks and incorporate either a connector pair or a selector switch to allow connection to either HUB or PC equipment. LED indicators signal the power status of the converter, UTP port speed, duplex status and Link & Activity. The transmission distance over single-mode cable up to 20KM without the need for any software drivers.

Features

- Compliant with IEEE802.3z 1000BASE-SX/LX Gigabit Ethernet Standard
- Provides two 1000BASE-SX/LX port with SC connector supporting either multi-mode fiber or single-mode fiber
- LED Indication: Power, Link
- Full and half duplex operation
- Extended distance for single-mode fiber optic up to 20km(24.8ml)
- Extended single-mode fiber optic distance up to 20km (46.6ml)
- Wall-mountable
- Provided 19 inch system chassis for up to 16-converter with Redundant Power supply for optional Expansion use

Specification

Standard
* IEEE 802.3z 1000BASE-SX
* IEEE 802.3z 1000BASE-LX
Network Media
* 1000BASE-SX:
- 62.5/125 multi-mode fiber optic cable, up to 220m
- 50/125 multi-mode fiber optic cable, up to 550m
* 1000BASE-LX:
- 62.5/125 multi-mode fiber optic cable, up to 550m
- 10/125 single-mode fiber optic cable, up to 20km
Protocol
* CSMA/CD
Number of Ports
* 2 x 1000BASE-SX/LX
Network Data Transfer Rate
* 1000Mbps (Half-duplex)
* 2000Mbps (Full-duplex)

Diagnostic LEDs
* Per unit: Power
* Per port: Link
Power Adapter
* 7.5VDC/1.5A
Power Consumption
* 7.2 watts. (max.)
Dimensions (W x D x H)
* 120 x 88 x 25 mm
Temperature
* Operating: 0 ~ 40 oC
* Storage: -25 ~ 70 oC
Humidity
* Operating: 10% ~ 90% RH
* Storage: 5% ~ 90% RH
Emission
* FCC Class A
* CE mark Class A
* VCCI-A

MCR116 Series
Gigabite Series

19" Manageable Chassis System for housing up to 16 Media Converters

Features

- Plug-and-Play
- Provides housing for up to 16 media converters
- Front panel LEDs indication
- Standard 19" rack-mount size, 2U height
- Hot Swappable, Easy & quick replacement of converters and power supplies
- Provides two cooling fans to ensure good ventilation
- Two redundant power supplies with load-sharing to ensure non-stop reliable operation
- Power isolation design with converter bays: ensures each bay is electrically isolated from each other
- Provide an optional management module for upgrading chassis systems

Management

- One 10/100Mbps Fast Ethernet port and one RS-232 port for management
- Web-based management through Http on the out-of-band 10/100M Fast Ethernet port
- Command Line Interface (CLI) through direct console connection on RS-232
- SNMP agent
- Provide the status of Link, Speed, and Duplex of both media of each module
- Provide the status of fan and redundant power supplies

Specification

Capacity :	Sixteen bays for housing up to 16 Media Converters
Diagnostic LEDs :	Power x 2, In use x 2, Fan Fault x 2 MGM, 10/100 Link/ACT, Console for Management module
Power :	One hot-swappable power supply; optional second power supply for load-sharing, hot-swappable
Input:	AC 90 ~ 260VAC/47~63Hz
Power Overload : Protection :	All outputs protected from short circuit condition, automatic recovery
Cooling :	Two fans mounted at the rear
Dimension :	440 x 88 x 350mm(W x H x D)
Management:	General
	1 x RS-232 port & 1 x 10/100M Fast Ethernet port w / RJ-45 connector
	Protocols
	SNMP(RFC1157), ARP(RFC826), IP(RFC791), ICMP(RFC792)UDP(RFC768), TCP(RFC793), TFTP(RFC783), Telnet(RFC854), BOOT(RFC951), MIB II (RFC121)
Temperature :	Operating: 0 ~ 50°C ; Storage: -10 ~ 70°C
Humidity :	Operating: 10% ~ 90% RH ; Storage: 5% ~ 90% RH
Emission :	FCC Class A, CE mark Class A, VCCI-A
Safety :	CUL, TUV, CB-Certificate

Ordering Information

MC1000 Series

MC1000TSC   1000Base-T to 1000Base-SX Multi-mode fiber with SC connector
MC1000TLC/10   1000Base-T to 1000Base-LX Single-mode 10Km fiber with SC connector
MC1000TLC/20   1000Base-T to 1000Base-LX Single-mode 20Km fiber with SC connector
MC1000TLC/40   1000Base-T to 1000Base-LX Single-mode 40Km fiber with SC connector

MC1200 Series

MC1200SLC/10   1000Base-SX Multi-mode fiber to 1000Base-LX Single-mode 10Km fiber with SC connector

MC1200SLC/20   1000Base-SX Multi-mode fiber to 1000Base-LX Single-mode 20Km fiber with SC connector

MC1200LLC/20   1000Base-LX Single-mode fiber to 1000Base-LX Single-mode 20Km fiber with SC connector

MC116 Series

MCR116   19" Chassis System for housing up to 16- Media Converters
MCR-MCB100   Management Module
MCR-RPS150   Redundant Power Supply
MCR-PS48   48V DC Power Module for MCR116