Media Converter AC Port

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Variants

DTMC-200 1G RJ45 -1 Port

Details

Media Converter DTMC-200 10/100/1000 Mbps adaptive RJ45 port AC Port:

The 10/100/1000M Series Gigabit Converter is subject to copyright protection. No part of this publication may be reproduced without prior consent from the copyright owner.

FCC Warning

The 10/100/1000M series media converters have been tested and comply with Class A digital device standards as per Part 15 of the FCC Rules. These devices are designed to offer reasonable protection against harmful interference when used in commercial environments. However, improper operation in residential areas may cause interference with radio communications, for which the user will be responsible for addressing.

CE Mark Warning

These products are Class A devices. In domestic environments, they may cause radio interference, necessitating appropriate preventive measures by the user.

Package Contents

Thank you for choosing our Ethernet Media Converter. Before installation, ensure the following items are included in the package:

1. Media Converter
2. User’s Manual
3. Power Adapter

Product description:

Features of Media Converter DTMC-200 10/100/1000 Mbps adaptive RJ45 port AC Port:

The 10/100/1000M Series Gigabit Converter is designed to meet the needs of larger workgroups requiring Ethernet network expansion. Featuring an RJ45 jack and SC or SFP fiber optic connectors, it connects 10/100/1000BASE-TX networks to 1000BASE-SX/LX (fiber optic) networks. In full duplex mode, the converter extends distances up to 550 meters for Multi-mode fiber and up to 80 kilometers for Single-mode fiber. It fully complies with IEEE 802.3z & 802.3ab standards, and its installation and operation procedures are simple and straightforward. Real-time operation status can be easily monitored via LED indicators on the front panel.

Package Contents of Media Converter DTMC-200 10/100/1000 Mbps adaptive RJ45 port AC Port:

Thank you for purchasing our Ethernet Media Converter. Before installation, please ensure the following items are included in the package:

1. MDI-MDIX Auto-crossover supported
2. Plug-and-Play installation
3. Support for Link Alarm
4. Support for flux controlling of full duplex/backpressure of half duplex, with the capability to transmit 1600-byte management packets.
5. Compliance with IEEE802.3z 1000Base-SX/LX & IEEE 802.3ab 1000Base-T standards
6. Optional work wavelengths: 850nm, 1310nm, 1550nm
7. Dynamic data transmission between RJ45 and fiber ports, with indicators for full/half duplex and speed lights
8. Support for internal and external power supply, with UTP port supporting 10/100/1000M auto-negotiation.

Cable Connection of 10/100/1000M Series Gigabit Converter:

1000BASE-SX	Multi-mode Fiber of 850n (62.5/ 125?m)	220 meters
Port type	Cable Type	Max.Length
10/ 100/ 1000BASE-T	Cat. 5, 5E UTP, RJ-45	100 meters
1000BASE-SX	Multi-mode Fiber of 850nm (50/ 125?m)	550meter
1000BASE-LX	Single-mode Fiber of 1310nm(9/ 125um)	10- 100km

Specifications of 10/100/1000M Series Gigabit Converter:

MODEL	10/100/1000M Series	10/100/1000M Series
STANDARD	IEEE802.3ab 1000BASE-T;	IEEE802.3ab 1000BASE-T;
	IEEE802.3z 1000BASE-SX	IEEE802.3z 1000BASE-LX
INTERFACE	RJ-45 part x 1 (10/ 100/ 1000 Mbps) SC connector Fiber port x 1 (1000 Mbps)	
TP CONNECTIONS	10/ 100/ 1000BASE-T:UTP Category 5, 5E	
FIBER CONNECTIONS	1000BASE-SX:62.5/ 125µm or 50/ 125µm Multi-mode fiber, SC/FC connector	1000BASE-LX:9 or 10/ 125µm Single-mode fiber ,SC/FC connector
LED INDICATIONS	POW ?FDX ?FX ? Link/Act ?1000 ?100	
MAX.DISTANCE	550m/220m	10km and 20km, 100km

Typical Optical Power Budget Media Converter DTMC-200 10/100/1000 Mbps adaptive RJ45 port AC Port:

10/100/1000M Series					
Connector	SC	SC	SC	SC	SC
Wavelength	850nm	1310nm	1310nm	1310nm	1550nm

Typical	550m/220m	10Km	20Km	30Km	50- 100Km
Min TX	- 11dBm	- 11.0dBm	- 10.0dBm	-7.0dBm	- 1~-6.0dBm
Max TX POW	-3.0dBm	- 3.0dBm	- 1.0dBm	0.0dBm	0.0dBm
Sensitivity	- 18dBm	-21.0dBm	-21.0dBm	-24.0dBm	-24.0dBm
Link Budget	8.5dB	12.0dB	15.0dB	19.0dB	19.0dB