

MC Module—MD-1000-SC-M



Product Overview

MD-1000-SC-M is the media convertor devices, it provide one gigabit optical uplink port and one standard 10/100/1000 Base-TX Ethernet ports. It is aluminum alloy die casting shaping. It features a sealed metal case that is also used as a heat sink. No air inflow is required for cooling, and have good heat dissipation.

The MD-1000-SC-M Module is small size module that is designed to work in C-Data outdoor platform. It also can be integrated with the third-party access network products as a functional module to provide the media convert service.

It is a standard Ethernet media convertor, it can work with our media convert products and in complaint with the third-party media convert products. It meet the carrier-class requirement. Network management is optional. It support the local CLI, WEB, SNMP network management.

Function Features

- Aluminum alloy die casting shaping, good heat dissipation
- Compliant with IEEE802.3, IEEE802.3u, IEEE802.3z standards
- Support 10Base-T, 100Base-TX and 1000Base-T
- Support Auto MDI/MDI-X
- Support bandwidth control
- Remote power off monitor
- Support LFP (Link Fault Pass-through)
- Support software online upgrading
- support the local CLI, WEB, SNMP network management
- complaint with the third-party media convert products

Specification

Item	Parameters	Specification
Interface	Copper Port	One 10/100/1000M auto-negotiation, RJ45; Compliant with IEEE802.3, IEEE802.3u, IEEE802.3z Auto MDI/MDI-X Full/Half-Duplex Up to 100m distance
	Fiber Port	Connector Type: One SC/PC 1000Base-SX, 1000Base-Lx 1.25Gbps Wavelength 850nm/1310nm/1550nm optional Transmission distance 2~100KM
	Power Supply	2PIN socket, 12V DC
Indicator Description	PWR	On: +5V Power is coming up Off: +5V no power supply
	Fiber	On: Optical Linked Blink: In transmitting or receiving Off: Not connected or link trouble
	1000M	On: Linked on 1000Mbps Blink: optic port connected well Off: Not connected or link trouble
	Act	On: Physical link is OK

		Blink: In transmitting or receiving Off: Not connected or link trouble
Performance Parameters	Working Mode	Store-and-forward
	Max Packet Length	9K bytes
	Packet Forwarding	1488000pps (64bytes/Frame)
	latency	< 5us @64bytes, 28us@1518bytes
	Packet Loss	operating temperature range: Packet Loss in 72 hours: 0% Long-term Packet Loss : <10 ⁻⁷ (64 ~9728 bytes @ 100% throughput)
Physical Features	Power supply	12VDC
	Power Consumption	<2.5W
	Size	150(L)×65(W)×25mm(H)
	Weigh	<0.07kg
	Environment Attribute	Working Temperature: -10~50℃ Storage Temperature: -10~70℃ Working humidity: 20%~85%non-condensing Storage humidity: 10%~90% non-condensing

Applications

- ✧ Internet Access
- ✧ VOD
- ✧ IPTV
- ✧ Camera monitor system

Order Information

Product	Item	Description
Media Convert Module	MD-1000-SC-M	One gigabit optical uplink port. one standard 10/100/1000 Base-TX Ethernet port. 12VDC power supply connector. Aluminum alloy die casting shaping.