

CMC300

Gigabit Mini Media Converter

10/100/1000Base-T to 1000Base-X



Overview

CMC300 series is Mini Gigabit Media Converters, which extends the 10M, 100M, and 1000Mbps twisted-pair network segments up to 120km over fiber technology. It is widely used in ISP network solutions of FTTH, FTTC, and FTTBs, CCTV networks, or for small office network environments of enterprises.

Features

- Copper port support 10/100/1000M, Auto-Cross for MDI/MDIX
- 1000Base-X SC fiber port up to 120km transmission
- Full duplex and Half duplex back pressure auto-negotiation
- Support 16K Jumbo Frame
- Simple LED indicators for monitoring working status
- 5~12Vdc power input and power consumption less than 2W
- Compact size 65x45x22mm
- IP30 plastic enclosure
- Plug-and-play operation
- Cost-effective and weight-less design
- CE/FCC/RoHS compliance

Application

- Network Communication
- FTTH / FTTB / FTTx
- ISP Backhaul Networking

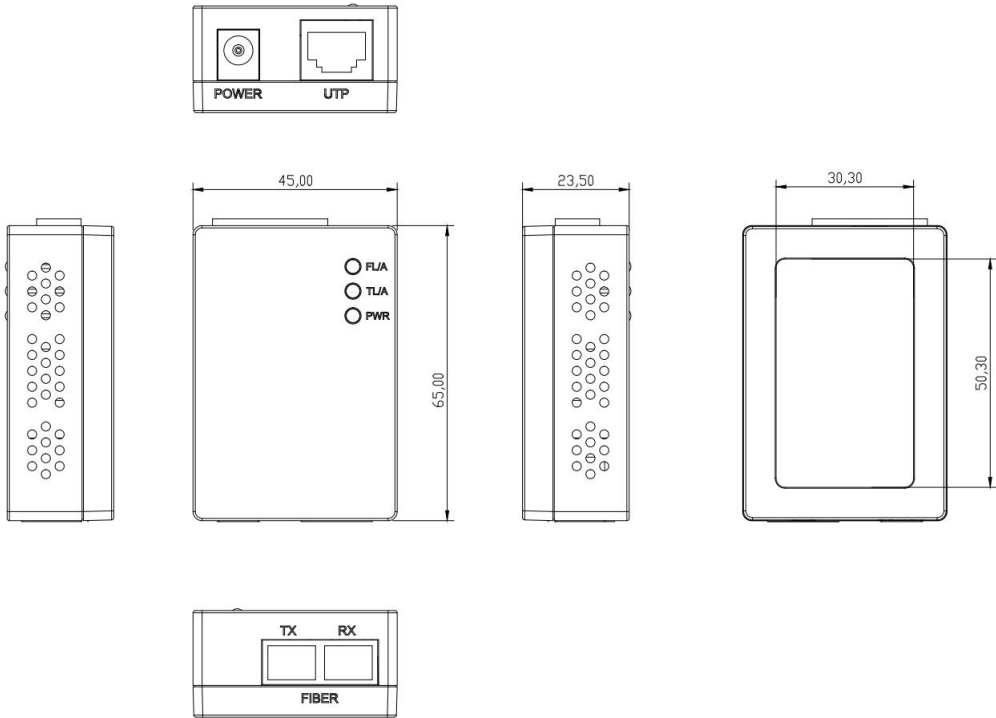
Technical Specifications

Performance	
Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x
Data forwarding	Forward mode
Switch Capacity	4Gbps
Packet forwarding Rate	2.9Mpps
Flow Control	support
Jumbo Frame	16k
Interface	
Copper Port	10/100/1000M Auto-negotiation, RJ45 Auto-Cross for MDI/MDIX Cat5/Cat5e/Cat6, ≤100m
Fiber Port	1000M SC connector OS1/OS2 ≤120km; OM1/OM2 ≤550m
LED indicators	PWR, Fiber Link/act, Copper Link/act
Power Port	DC socket, φ2.5mm
Electrical characteristics	
Input Power	5~12Vdc, Max.0.35A
Power Consumption	<2W
Physical characteristics	
Dimension	65x45x22mm
Protection	IP30
Environment	
Working Temperature	-20~60°C
Storage Temperature	-40~85°C
Relative Humidity	5%~95% (no condensation)
Power Adaptor	
Input Voltage	100-240Vac 50/60Hz
Output	5Vdc 1A

Order Information

Model	Description
CMC300-M05	10/100/1000M, MM 850nm SC 550m
CMC300-S20	10/100/1000M, SM 1310nm SC 20km
CMC300-A02	10/100/1000M, SM TX1310/RX1550nm SC 2km
CMC300-B02	10/100/1000M, SM TX1550/RX1310nm SC 2km
CMC300-A20	10/100/1000M, SM TX1310/RX1550nm SC 20km
CMC300-B20	10/100/1000M, SM TX1550/RX1310nm SC 20km
Notes: 40/60/80/120km is available	

Structure diagram (mm)



For further information, please visit our website <https://www.aoatech.com>

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