


Item	Media Converter
Model No.	CMC2100
Description	1000Base-T to 1000Base-X
	

Overview

CMC2100 Gigabit Ethernet Media Converters are 1000Base-T to 1000Base-SX/LX converter, which extend the 1000Mbps twisted-pair network segments up to 120km over fiber technology. It providing transparently transmission between 1000M copper and multi-mode or single-mode fiber, including WDM wavelength. It widely used in LED Display transmission system.

Features

- Transparently transmission for extreme low latency data forwarding
- Full duplex and Half duplex back pressure auto-negotiation
- Excellent compatibility for different brand's master card
- Copper port support Auto-Cross for MDI/MDIX
- Fiber port provides SFP/SC/FC/ST optional
- Support 10K Jumbo Frame
- Plug-and-play operation
- LED indicators for working status
- ESD, surge protection
- IP30 enclosure
- Providing Chassis and wall-mounted installation

- Low power consumption, lead-free process
- CE/FCC/RoHS compliance

Technical Specifications

Performance	
Standard	IEEE802.3ab, IEEE802.3z, IEEE802.3x
Processing type	Forward mode
Switch Capacity	4Gbps
Packet forwarding Rate	2.97Mpps/s
Flow Control	auto-negotiation
Jumbo Frame	10k bytes
Interface	
Copper Port	1000M, RJ45 Auto-Cross for MDI/MDIX Cat5/Cat5e/Cat6, ≤100m
Fiber Port	1.25G SFP/SC/FC/ST optional OS1/OS2 ≤120km; OM1/OM2 ≤550m
Power Port	DC socket, φ2.5mm
LED indicators	PWR, FDX, Link/Act, 1000M, 100M
Electrical characteristics	
Input Voltage	5Vdc
Input Current	Max. 0.35A
Power Consumption	<2W
Physical characteristics	
Enclosure	Metal IP30
Installation	Wall-mounted (Optional kits) Rack-mounted (19" 2U 14-slot)
Dimension	94x71x26mm
Net Weight	160g
Power Adaptor	
Input Voltage	100-240Vac 50/60Hz or 36-72Vdc
Output	5Vdc 1A
Environment	
Working Temperature	-20~60°C
Storage Temperature	-40~85°C
Relative Humidity	5%~95% (no condensation)

Order Information

Model	Description
CMC2100-SFP	10/100/1000M SFP slot
CMC2100-M05	10/100/1000M MM 850nm SC 550m
CMC2100-S20	10/100/1000M SM 1310nm SC 20km
CMC2100-A20	10/100/1000M SM TX1310/RX1550nm SC 20km
CMC2100-B20	10/100/1000M SM TX1550/RX1310nm SC 20km
40/60/80/120km available; FC/ST available	

Related Products

Model	Description
SFP Modules	
SFP-M1285L-05	1.25G MM 850nm LC 550m
SFP-S1213L-20	1.25G SM 1310nm LC 20km
SFP-S1235L-20	1.25G SM TX1310/RX1550nm LC 20km
SFP-S1253L-20	1.25G SM TX1550/RX1310nm LC 20km
40/60/80/120km available	
Installation Accessories	
AOR-14	 <p>19" 2U, 14-slot rack with dual power supply</p>
TK10	 <p>Wall-mounted kits, 87x12x8.2mm, hole L=73mm φ3.0mm</p>

Structure diagram (mm)

