

Model: CS-110

10/100Mbps Media Converter Series

FEATURES



- Complies with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX and 100Base-FX standards
- Fiber connectivity up to 2km for multimode fiber, 60km for single-mode fiber
- Optional SC, FC, ST, LC or Bi-directional SC (single mode only) fiber connectors
- One auto-MDIX RJ-45 connector interface
- Full-Duplex, Half-Duplex, or Auto-Negotiation
- Supports packet length up to 1600 bytes
- 8 diagnostic LEDs (100Mbps, fiber full duplex, UTP full duplex, fiber link, UTP link, fiber signal detect, fiber far-end-fault detect and power)
- Provides fault propagation function for easy cable fault detection

DESCRIPTION

The CS-110 series provides you with various optional connectors for your fiber optic cable and RJ-45 ports (straight through and crossover) for your 10/100Base-TX cable connection. When auto-negotiation is selected, these units will automatically tailor themselves to convert both half-duplex and full-duplex signals, depending on your specific network needs. You may also set the unit to convert signals in full-duplex only or half-duplex only. The Fast Fiber Converters give you the freedom to extend your 10/100Mbps cabling distance a lot. Eight LED indicators signal the detailed operating status of the converter for easier fault identification.

SPECIFICATIONS

● Compatibility	
Standards	IEEE 802.3 10Base-T, 802.3u 100Base-TX and 100Base-FX
Protocol	CSMA/CD
● Physical Characteristics	
Interface	RJ-45 connector, using UTP 100-ohm Cat. 3, 4 or 5 cable; SC, FC, ST, LC or Bi-directional SC (single mode only) fiber connectors
Optical wavelength	1310nm (multimode), 1310 nm or 1550nm (single-mode only)
Maximum Segment Length	UTP cable (100 Base-TX): 100 meters Fiber optic cable: 2km (multimode) or up to 20~60km (single-mode)
Operating Temperature	-20°C to 70°C
Operating Humidity	10% to 90% (Non-condensing)
External Power Supply	Input rating: 110 or 220 VAC, 50-60 Hz Output rating: 5 VDC, 1A

WOM reserves the right to modify products and specifications without prior notice



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Product

Model	CS110 10/100 Media Converter
Protocol	IEEE 802.3u, 100Base-FX, 10/100 Base-TX
Dimensions	102x63.6x21.4 mm (DxWxH)
Weight	175g
Power	5V DC, 1A
LED indicators	100Mbps, fiber full duplex, UTP full duplex, fiber link, UTP link, fiber signal detect, fiber far-end-fault detect, power

Connectors and Cables

Twisted Pair/STP	RJ-45, Category 5 (EIA/TIA 568)
Fiber connectors	SC, ST, FC, BI-DI, VF-45, SFF
Singlemode fiber	9/125 μ m
Multimode fiber	50/125, 62.5/125 μ m

Cable Limitations

Twisted Pair/STP	Up to 100m
Singlemode cable	Up to 20-100km
Multimode cable	Up to 2km

Optical Characteristics

Fiber type	MM	SM	SM	SM	SM
Wavelength	1310nm	1310nm	1310nm	1310nm	1550nm (DFB)
Distance	2km	20km	40km	60km	100km
Min. Tx Power	-19dBm	-18dBm	-5dBm	-3dBm	-3dBm
Max. Tx Power	-14dBm	-7dBm	0dBm	2dBm	2dBm
Sensitivity	-30dBm	-32dBm	-34dBm	-36dBm	-36dBm

Environment

Operating temperature	-20 to 70°C
Humidity	10 to 90% (non-condensing)
Regulatory approval	CE Remark, FCC class A



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