

Optolinx FCS-2312

10/100BaseTX to 100BaseFX Managed Media Converter

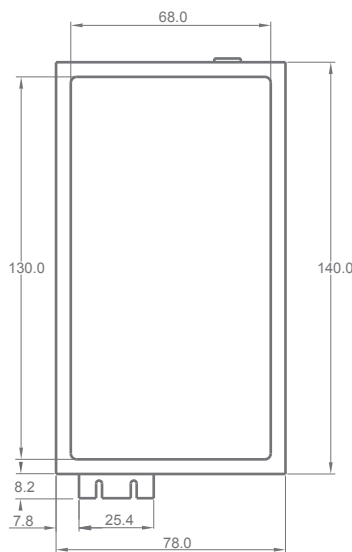


Features

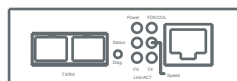
- ▶ Complies with IEEE 802.3 10BaseT, 802.3u 100BaseTX/100BaseFX
- ▶ Store and Forward Switching Mechanism
- ▶ Auto-Crossover for MDI/MDIX in TP Port
- ▶ Auto-Negotiated Data Rate & Flow Control on TP Port
- ▶ Supports 1K MAC Address
- ▶ Supports 64K Byte Packet Buffer
- ▶ Supports Link-Fault-Pass-Through
- ▶ Supports Loop Back and Diagnostic Test Button
- ▶ Supports Redundancy with FCM-CHS2 Chassis
- ▶ Compatible with FCM-CHS2 Remote Module Management
- ▶ Configuration DIP Switch Supports Auto, Speed, Duplex, Auto MDI/MDIX
- ▶ Remote Port Management Function
- ▶ IN-BAND Diagnostic (Loop-Back Test)
- ▶ Supports Broadcast Storm Blocking via FCM-CHS2
- ▶ Plug-and-Play Installation
- ▶ 5-Year Warranty



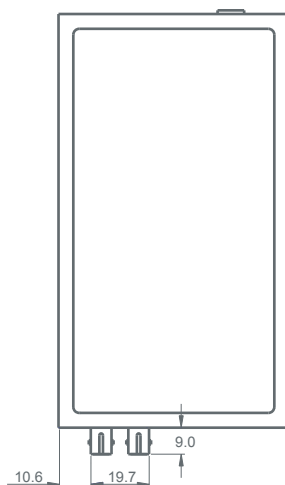
Specifications



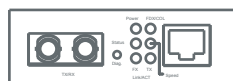
Top View (SC)



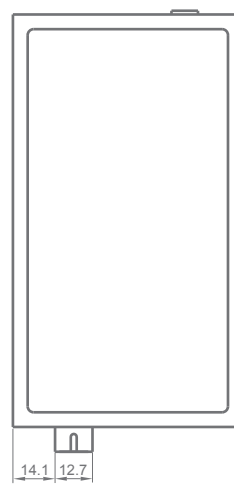
Panel View (SC)



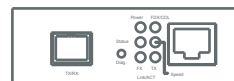
Top View (ST)



Panel View (ST)



Top View (WDM)



Panel View (WDM)



Side View



Rear View

► Specifications

Remote Port Management (Through FCM-CHS2)

State Monitor: Model/Media/Link/Speed/Duplex/Activity/Power
Port Configuration: Auto/Speed/Duplex/Flow Control/Storm Broadcast Blocking

Standard

IEEE 802.3 10BaseT
IEEE 802.3u 100BaseTX/FX

Interface

10BaseT: 1 x RJ45 port
100BaseFX: 1 x SC port

Connector Type

FCS-2312SC/SC-S3/WA/WB: SC Connector
FCS-2312ST: ST Connector

Optical Fiber

Multi-Mode: 50/125 μ m ~ 62.5/125 μ m
Single-Mode: 9/125 μ m ~ 10/125 μ m

Wavelength

FCS-2312SC/ST/SC-S3: 1310nm
FCS-2312WA: TX-1310nm; RX-1550nm
FCS-2312WB: TX-1550nm; RX-1310nm

Typical Distance

FCS-2312SC/ST: 2 Km
FCS-2312SC-S3: 30 Km
FCS-2312WA/WB: 20 Km

Minimum TX Power

FCS-2312SC/ST: -19.0 dBm
FCS-2312SC-S3: -15.0 dBm
FCS-2312WA/WB: -14.0 dBm

Maximum TX Power

FCS-2312SC/ST: -14.0 dBm
FCS-2312SC-S3: -8.0 dBm
FCS-2312WA/WB: -8.0 dBm

Sensitivity

FCS-2312SC/ST: -30.0 dBm
FCS-2312SC-S3: -34.0 dBm
FCS-2312WA/WB: -33.0 dBm

Link Budget

FCS-2312SC/ST: 11.0 dB
FCS-2312SC-S3: 19.0 dB
FCS-2312WA/WB: 19.0 dB

MAC Table

1K

Memory Buffer

64K

Forward/Filter Rate

10M: 14,880/14,880 pps
100M: 148,800/148,800 pps

Redundancy

Supports Redundancy with FCM-CHS2 Chassis

LED

Power, FDX/COL, Speed, TP Link/ACT, FO Link/ACT, Status

Power

External Power Supply: Input AC 120V - 240V
Voltage Requirement: DC 12V

Power Consumption

4 Watts

Operation Temperature

0° C to 50° C (32° F to 122° F)

Storage Temperature

-20° C to 60° C (-4° F to 140° F)

Operation Humidity

5% to 90% (Non-condensing)

Mechanical

Casing: IP30 Metal Case
Dimension (W x H x D): 140 x 78 x 26 mm (5.51 x 3.07 x 1.02 in.)
Weight: 0.8 Kg (1.8 lbs)
Installation: DIN-Rail/Wall Mountable

Emission/Safety

FCC Class A, CE

Warranty

5-Year Warranty

► Ordering Information

FCS-2312SC

10/100TX - 100FX Managed Media Converter, Multi-Mode, SC, 2 Km

FCS-2312ST

10/100TX - 100FX Managed Media Converter, Multi-Mode, ST, 2 Km

FCS-2312SC-S3

10/100TX - 100FX Managed Media Converter, Single-Mode, SC, 30 Km

FCS-2312WA-S2

10/100TX - 100FX Single-Strand Fiber (WDM) Managed Media Converter, Single-Mode, SC, 20 Km, TX-1310nm; RX-1550nm

FCS-2312WB-S2

10/100TX - 100FX Single-Strand Fiber (WDM) Managed Media Converter, Single-Mode, SC, 20 Km, TX-1550nm; RX-1310nm

FCM-CHS2-AC

16 Slot IN-BAND Managed Media Converter Chassis (with 1 AC Power)

Optional Accessories

CBF-SC01ST-MD

SC to ST Multi-Mode Duplex Fiber Cable (1 Meter)

CBF-SC01SC-MD

SC to SC Multi-Mode Duplex Fiber Cable (1 Meter)

CBF-SC01SC-SS

SC to SC Single-Mode Simplex Fiber Cable (1 Meter)

AD-SCM-STF-M

SC (Male) to ST (Female) Duplex Adapter (Multi-Mode)

AD-SCM-STF-S

SC (Male) to ST (Female) Duplex Adapter (Single-Mode)

FCS-BK

Mounting Brackets for FCS Modules

DIN-RAIL-KIT

DIN-Rail Mounting Kit

Antaira Technologies

Toll-Free: (877) 229-3665
Phone: (714) 671-9000
FAX: (714) 671-9944

e-Mail: info@antaira.com
Website: <http://www.antaira.com>

 **antaira**
www.antaira.com