

ANT FCN-3112 Series

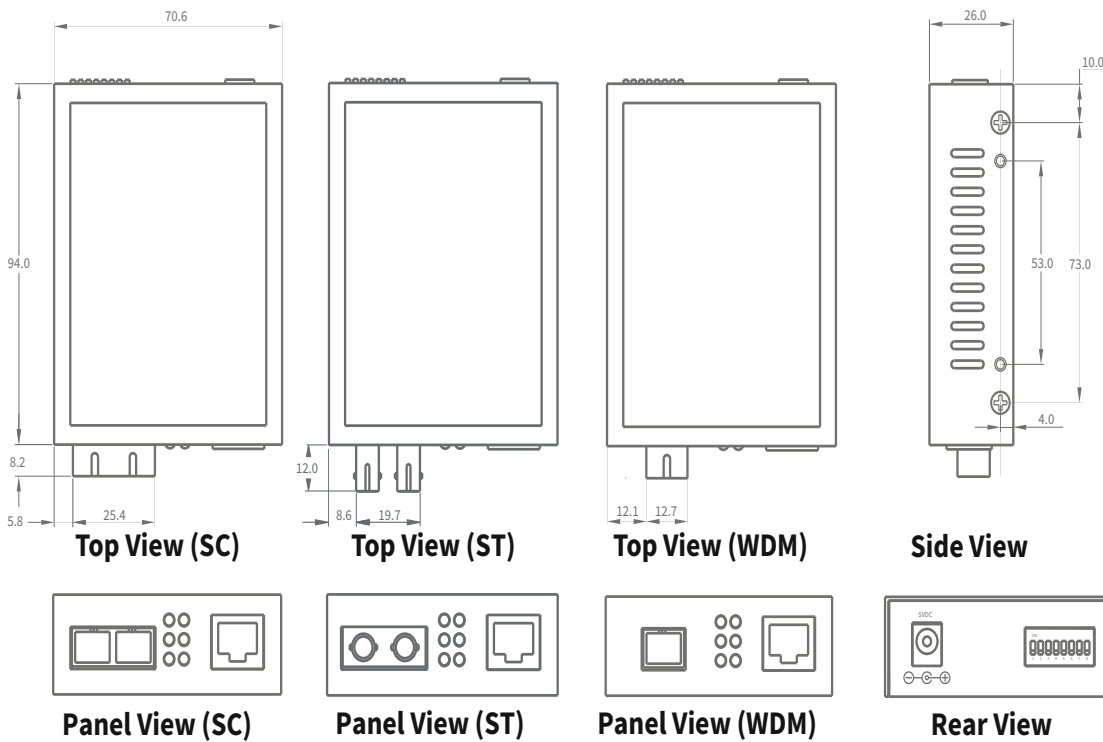
10/100/1000BaseT to 1000BaseX SNMP Managed Media Converter

Features

- Complies with IEEE 802.3/802.3u/802.3ab/802.3z
- Store and Forward Switching Mechanism
- Auto-Negotiation in TP port
- Auto-Cross over for MDI/MDIX in TP port
- Supports Flow Control
- Supports Jumbo frame 9K bytes
- Supports Link Alarm
- Supports Loopback test
- Supports Selectable ISP Ethernet Tag Type
- Supports Q-in-Q Double Tag configuration
- Supports Bandwidth Control
- Supports DHCP Client
- Supports SNMP/ Web Managed interface
- Supports SNMP v1 and v2c
- Supports HTTP Firmware Upgrade
- Supports Power Down Trap Management
- 5-Year Warranty



Dimensions



ANT FCN-3112 Series

Specifications

Standard

IEEE 802.3 10BaseT IEEE
 802.3u 100BaseTX IEEE
 802.3ab 1000BaseT IEEE
 802.3z 1000BaseX IEEE
 802.3x Flow Control

Interface

10/100/1000BaseT: 1 x RJ45 Port
 1000BaseX: 1 x Port

Wavelength

FCN-3112SC: 850nm
 FCN-3112SC-S1/S2: 1310nm
 FCN-3112WA: TX-1310nm; RX-1550nm
 FCN-3112WB: TX-1550nm; RX-1310nm

Typical Distance

FCN-3112SC: 550 m
 FCN-3112SC-S1: 10 Km
 FCN-3112SC-S2: 20 Km
 FCN-3112WA/WB: 20 Km

Minimum TX Power

FCN-3112SC: -9.5 dBm
 FCN-3112SC-S1: -9.0 dBm
 FCN-3112SC-S2: -6.0 dBm
 FCN-3112WA/WB: -9.0 dBm

Maximum TX Power

FCN-3112SC: -4.0 dBm
 FCN-3112SC-S1: -3.0 dBm
 FCN-3112SC-S2: -1.0 dBm
 FCN-3112WA/WB: -2.0 dBm

Sensitivity

FCN-3112SC: -18.0 dBm
 FCN-3112SC-S1: -21.0 dBm
 FCN-3112SC-S2: -21.0 dBm
 FCN-3112WA/WB: -21.0 dBm

Link Budget

FCN-3112SC: 8.5 dB
 FCN-3112SC-S1: 12.0 dB
 FCN-3112SC-S2: 15.0 dB
 FCN-3112WA/WB: 12.0 dB

LED

Power, FDX, Status, Speed, FO Link/ACT, TX Link/ACT

MAC Address Table

1K

Memory Buffer

256Kb

Forward / Filter Rate

10M: 14,880 / 14,880pps
 100M: 148,800 / 148,800pps
 1000M: 1,488,000 / 1,488,000pps

Power

External Power Supply: DC 5V, 1.5A
 50, 60 Hz

Power Consumption

3.4 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): 71 x 94 x 26 mm (2.80 x 3.70 x 1.02 inches)
 Weight: 0.6 Kg (1.3 lbs)
 Installation: DIN-Rail/Wall Mountable

Emission/Safety

FCC Class A, CE

Warranty

5-Year Warranty

Ordering Information

FCN-3112SC	10/100/1000TX - 1000SX SNMP Managed Media Converter, Multi-Mode, SC, 550m
FCN-3112SC-S1	10/100/1000TX - 1000SX SNMP Managed Media Converter, Single-Mode, SC, 10Km
FCN-3112SC-S2	10/100/1000TX - 1000SX SNMP Managed Media Converter, Single-Mode, SC, 20Km
FCN-3112WA-S1	10/100/1000TX - 1000FX Single-Strand Fiber (WDM) SNMP Managed Media Converter, Single-Mode, SC, 10Km, TX-1310nm; RX-1550nm
FCN-3112WB-S1	10/100/1000TX - 1000FX Single-Strand Fiber (WDM) SNMP Managed Media Converter, Single-Mode, SC, 10Km, TX-1550nm; RX-1310nm

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 AD-SCM-STF-S	SC (Male) to ST (Female) Duplex Adapter (Multi-Mode)
FCU-BK	SC (Male) to ST (Female) Duplex Adapter (Single-Mode)
DIN-RAIL-KIT	Mounting Brackets for FCU/FCN Modules DIN-Rail Mounting Kit