ANT-IF11 Series

2-port Fiber Media Converter, Dual Fiber, 1-port 100Base-FX and 1-port 10/100Base-T(X)

Introduction

ANT-IF11 series is a dual fiber media converter complies with IEEE802.3 standards, It is designed to convert data signal between 100Base-FX and 10/100Base-T(X) fast Ethernet.

The media converter is connected between fiber cable and twisted cable, extend your Ethernet network beyond the 100-meter limit imposed by copper cable.

This converter model can be used as slide-in module to the 14-slot 19" Rack-Mount Chassis.

Converter is transparent to all protocols, can be used all all areas as Fiber to The Home, Fiber to the Business or Fiber to The Curb.

Features

Compliance with IEEE 802.3, IEEE 802.3u, IEEE 802.3X, IEEE 802.1Q, 10Base-TX, 100Base-TX, 100Base-FX standards.

It supports TCP / IP, PPPOE, DHCP, ICMP, NAT protocol.

Flow control: Full duplex using IEEE 802.3X, a standard half-duplex adopt Backpressure.

Electrical ports support auto-negotiation function, automatically adjusts the transmission and transfer rates.

Ports support Auto-MDI / MDIX auto-flip.

Support store and forward mode.

Supports 10M, 100M mode or adaptive mode.

Provide status indicators, external power supply (output 5V ~ 50HZ 1A).

The card design, to facilitate future maintenance and inspection equipment.

Modular power supply design, function board with separate power supply design, easy to post-maintenance.

Unique IC solutions, the chip temperature low, to get rid of plus cooling system, flow control and reduce broadcast storms.

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High-quality integrated photovoltaic module provides good optical properties and electrical properties to ensure reliable transmission, long life.

Operating Mechanism broadcast filtering, address auto-learning and auto-update feature and store and forward.

It supports up to 1916 byte long data packet transmission.

Missing link to provide remote diagnostics, electrical interface and optical port link link connection diagnostics, dynamic data transmission, full-duplex / half duplex, speed light, easy installation and later maintenance.

Ultra-low power consumption of less than 2.5W (Input: AC140 ~ 260V), low heat, stable operation for a long time.

Specification

Protocol Standard	IEEE802.3, IEEE802.3u, IEEE802.3x Flow control, IEEE802.1q, IEEE802.1p QoS, IEEE802.1d Spanning Tree
Wavelength	850nm/1310nm/1550nm
Transmission Distance	Cat5 100m Multimode, Dual-fiber 2Km Single Mode, Dual-fiber 20/40/60/80/100/120Km
Ethernet Port	RJ45 Ports, Connection STP / UTP Cat5/Cat5e Cooper Cable
Fiber Port	Multimode, Dual-fiber SC/ST/FC (Diameter 50/125, 62.5 / 125µm) Single Mode, Dual-fiber SC/FC (diameter 9/125µm)
Exchange Attribute	Conversion Method: Media conversion, store and forward / straight in MAC Add: 1 K Cache: 1 Mbit Full duplex state: flow control, half-duplex: backpressure mode Store and Forward: 9.6us, Straight In: 0.9us BER: <1/1000000000
LED Indicator	PWR(Power Supply) FX LINK/ACT FDX (Ethernet port full / half duplex mode) TX LINK/ACT (Ethernet port communication / action) 100 (100/10M transmission rate) FX (Optical signal)
Power Supply	Power Input: DC5V1A Full Load: <2.5 W
Working Environment	Operating Temperature: -20~70℃ Storage Temperature: -40~70℃ Storage Humidity: 5% to 90% non-condensing
Dimension	94*71*26mm (L * W * H)
Certification	CE, FCC, RoHS
Warranty	3-years

Order Information

Model No.	Description of Goods
ANT-IF11	10/100M Multimode, Dual Fiber, 2Km, SC/ST/FC/LC Connector
ANT-IF11-20	10/100M Single-mode, Dual Fiber, 20Km, SC/ST/FC/LC Connector
ANT-IF11-40	10/100M Single-mode, Dual Fiber, 40Km, SC/ST/FC/LC Connector
ANT-IF11-60	10/100M Single-mode, Dual Fiber, 60Km, SC/ST/FC/LC Connector

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ANT-IF11-80	10/100M Single-mode, Dual Fiber, 80Km, SC/ST/FC/LC Connector
ANT-IF11-100	10/100M Single-mode, Dual Fiber, 100Km, SC/ST/FC/LC Connector
ANT-IF11-120	10/100M Single-mode, Dual Fiber, 120Km, SC/ST/FC/LC Connector

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