Nitrotel
Professional Networking Products
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Part No.
NT-F11W-20A
NT-F11W-20B

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

Introduction

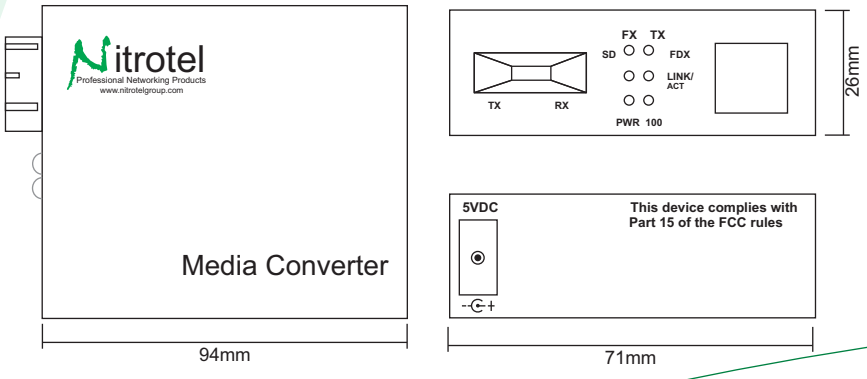
NT-F11 series is 10 / 100M adaptive fast Ethernet fiber media converter, Optical unique connection ends of the link failure alarm (Link Failure Pass Through) function, to achieve the twisted pair electrical signal 10 / 100BASE-TX and 100BASE- FX optical signal conversion. It will limit the transmission distance of a network of copper wire extended from 100 meters to 2 km (multimode fiber), 120 km (single-mode fiber).

In order to adapt to various work environments, NT-F11 series is designed not only can be placed on a desktop or wall structure may also designed 19 Inch 14/16 slot chassis, user-friendly centralized power supply, saving space.

Features

- Compliance with IEEE 802.3, IEEE 802.3u, IEEE 802.3X, IEEE 802.1Q, 100BASE-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.
- 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.

Dimensions



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Specification

Protocol Standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u, 100Base-TX/FX Fast Ethernet, IEEE802.3x Flow control, IEEE802.1q, IEEE802.1p QoS, IEEE802.1d Spanning Tree
Wavelength	850nm/1310nm/1550nm
Transmission Distance	Cat5 100m Multimode, Single/Dual-fiber 2km Single Mode, Single-fiber 20/40/60/80/100Km 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, Single-fiber, SC/ST/FC (Diameter 9/125μm) Single Mode, Dual-fiber SC/FC (diameter 9/125μm)
Conversion Method	Media conversion, store and forward / straight in
MAC Add	1 K
Cache	1 Mbit
Flow Control	Full duplex state: flow control, half-duplex: backpressure mode
Delay	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) 1000 (1000/100/10M transmission rate) FX (Optical signal)
Power Supply	DC5V1A
Power Consumption	<2.5 W
Operating Temperature	-20~70℃
Operating Humidity	5%~90%
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

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