



# Unmanaged 10/100M Media Converter with 1 Fiber Port & 2 Ethernet Ports

## NT-1200 series

### ❖ Overview

NT-1200 series are 10/100Mbps adaptive fast Ethernet Optical Media Converter, with built-in 2 ports 10M/100Mbps self-adaptive switch, converting the 2 independent 10Base-T or 100Base-TX twisted pair electrical signal with 100Base-FX optical signal. It extends the network transmission range from 100m, the limit of copper line, to 120Km (single mode full duplex). It supports two different types of network connection media, 10/100Base-TX and 100Base-FX. By switching technique and storage & forwarding technique, it realizes the data transmission between two network connection media. It supports optical transmission under dual-fiber multi-mode, dual-fiber single mode, and single fiber single mode.

### ❖ Features

- ❖ 10/100Mbps auto-sensed, facilitating network upgrade
- ❖ Built-in efficient switching core to implement flow control and reduce broadcast packets
- ❖ Providing several respective 10M/100Mbps adaptive twisted pair switching ports which implement the backup of electrical ports and the access of multiple users
- ❖ Supporting full-duplex and half-duplex and its auto-sensed
- ❖ Supporting auto-sense of MDI/MDI-X, facilitating system commissioning and installation
- ❖ Supporting the transmission of extra-long packets up to 1552 bytes
- ❖ Low power consumption, reliable and stable performance;
- ❖ Options in single mode in dual fiber, multi-mode in dual fiber, and single mode in single fiber



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### ❖ Specifications

Parameter	Specifications
Access mode	10/100Mbps
Standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u,100Base-TX/FX Fast Ethernet, IEEE802.3x Flow control
Wavelength	850nm/1310nm/1550nm
Transmission distance	Multi-mode Dual-fiber: 2 km; Single mode Dual-fiber: 20/40/60/80/100/120 km; Single mode Single fiber: 20/40/60/80/100/120 km Category-5 twisted pairs: 100m
Port	RJ45 port: Connecting with STP/UTP category-5 twisted pairs Optical port: Multi-mode: SC or ST (50, 62.5/125μm) Single mode: SC or FC (9/125μm) Single mode Single fiber: SC/FC (9/125μm)
Flow control	Full duplex: flow control; half duplex: back pressure
Error rate	$<10^{-9}$
MTBF	100,000 hours
LED indicator	POWER (power supply); FX LINK/ACT (fiber link/action) FDX (FX full duplex), FX100 (fiber rate 100M)
Power supply	DC5V 1A (external)
Power consumption	3.5W
Operating temperature	-10~55°C
Operating humidity	5%~90%
Maintaining temperature	-40~70°C
Maintaining humidity	5% ~ 90% non-condensing
Dimensions	110mm(W)×82mm(D)×47mm(H) (external power supply)





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### ❖ Order Information

NT-1200	10/100Base-T to 100Base-F, 2TP ports, multi-mode, 2km, SC, standalone, external power adaptor
NT-1200S-25	10/100Base-T to 100Base-F, 2TP ports, single mode, 25km, SC, standalone, external power adaptor
NT-1200S-40	10/100Base-T to 100Base-F, 2TP ports, single mode, 40km, SC, standalone, external power adaptor
NT-1200S-60	10/100Base-T to 100Base-F, 2TP ports, single mode, 60km, SC, standalone, external power adaptor
NT-1200S-80	10/100Base-T to 100Base-F, 2TP ports, single mode, 80km, SC, standalone, external power adaptor
NT-1200S-100	10/100Base-T to 100Base-F, 2TP ports, single mode, 100km, SC, standalone, external power adaptor
NT-S1200-25	10/100Base-T to 100Base-F, 2TP ports, WDM(single fiber bi-direction), 25km, SC, standalone, external power adaptor
NT-S1200-40	10/100Base-T to 100Base-F, 2TP ports, WDM(single fiber bi-direction), 40km, SC, standalone, external power adaptor
NT-S1200-60	10/100Base-T to 100Base-F, 2TP ports, WDM(single fiber bi-direction), 60km, SC, standalone, external power adaptor
NT-S1200-80	10/100Base-T to 100Base-F, 2TP ports, WDM(single fiber bi-direction), 80km, SC, standalone, external power adaptor
NT-S1200-100	10/100Base-T to 100Base-F, 2TP ports, WDM(single fiber bi-direction), 100km, SC, standalone, external power adaptor