



# 10/100M Fast Ethernet Media Converter NT-1100 Series



## ❖ Overview

The NT-1100 series are 10/100Base-Tx to 100Base-Fx media converter. It helps two Ethernet endpoints communicate with each other through fiber up to 120KM. NT-1100 Series support full-duplex and half-duplex operation mode and the TP port can auto-sensed 10Base-T and 100Base-Tx. NT-1100 Series can be used as a standalone unit or as a slide-in module to the 19" converter rack (up to 14 units) for use at a central wiring closet.

## ❖ Features

- ❖ 10/100Mbps auto-sensed at the TP port
- ❖ Built-in efficient switching core to implement flow control and reduce broadcast packets
- ❖ Full-duplex and half-duplex auto-sensed
- ❖ Supporting auto-sense of MDI/MDI-X, facilitating system commissioning and installation
- ❖ Supporting the transmission of 100Base-FX, compatible with other devices
- ❖ Supporting low-time lag transmission
- ❖ Supporting the transmission of extra-long packets up to 1536 bytes
- ❖ Extremely low power consumption (less than 2W), reliable and stable performance



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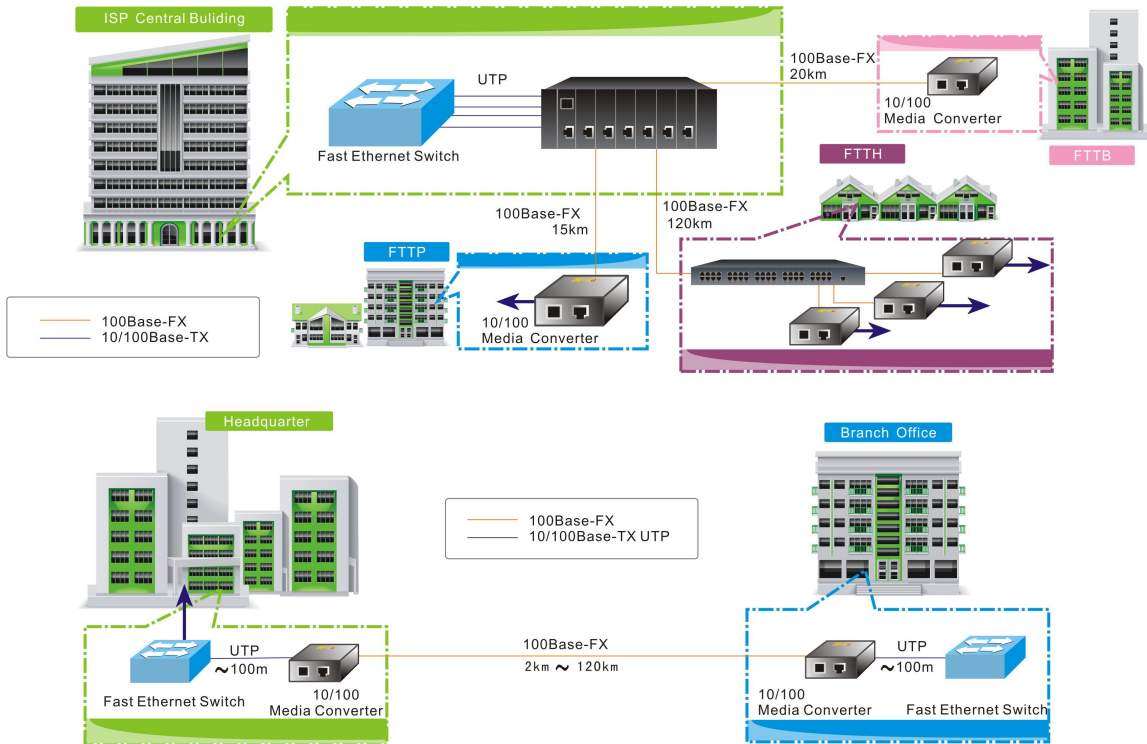
❖ **Specifications**

<b>Parameter</b>	<b>Specifications</b>
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(50/125μm or 62.5/125μm ); Single mode Dual-fiber: 20/40/60/80/100/120 km(9/125μm); Single mode Single-fiber: 20/40/60/80 km(9/125μm); Category-5 twisted pairs: 100m
Port	One RJ45 port: Connecting STP/UTP category-5 twisted pairs, EIA568A/B One optical port: Multi-mode Dual-fiber: SC or ST (50/125μm or 62.5/125μm) Single mode Dual-fiber: SC or FC (9/125μm)
Conversion means	Store and Forward mode(default)
Buffer space	Built in 128Kb RAM for data buffer
Flow control	Full duplex: flow control; Half duplex: back pressure
MTBF	100,000 hours
LED indicator	POER (power supply), FX LINK/ACT (optical link action) FDX (full duplex), TX LINK/ACT (TP cable link/action) TX 100 (TP cable rate 100M), FX100(fiber cable rate 100M)
Power supply	External: AC90~264V/DC100~380V input, 5V1A output
Power consumption	<2W(stand alone), <40W (the chassis at full load)
Operating temperature	-10~55°C
Operating humidity	5%~90% non-condensing
Maintaining temperature	-40~75°C
Maintaining humidity	5% ~ 90% non-condensing
Dimensions	71mm (W)×94mm (D)×26 mm (H) (external power supply)
Weight	0.47kg



**10/100M Fast Ethernet  
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❖ Application



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❖ **Order Information**

<b>Double fiber</b>	
NT-1100	10/100Base-T to 100Base-F, multi-mode, 2km, SC, standalone, external power adaptor
NT-1100S-20	10/100Base-T to 100Base-F, single mode, 20km, SC, standalone, external power adaptor
NT-1100S-40	10/100Base-T to 100Base-F, single mode, 40km, SC, standalone, external power adaptor
NT-1100S-60	10/100Base-T to 100Base-F, single mode, 60km, SC, standalone, external power adaptor
NT-1100S-80	10/100Base-T to 100Base-F, single mode, 80km, SC, standalone, external power adaptor
NT-1100S-100	10/100Base-T to 100Base-F, single mode, 100km, SC, standalone, external power adaptor
NT-1100S-120	10/100Base-T to 100Base-F, single mode, 120km, SC, standalone, external power adaptor
<b>Single fiber</b>	
NT-S1100-20	10/100Base-T to 100Base-F, single mode, 20km, SC, standalone, external power adaptor
NT-S1100-40	10/100Base-T to 100Base-F, single mode, 40km, SC, standalone, external power adaptor
NT-S1100-60	10/100Base-T to 100Base-F, single mode, 60km, SC, standalone, external power adaptor
NT-S1100-80	10/100Base-T to 100Base-F, single mode, 80km, SC, standalone, external power adaptor