



10/100/1000M Gigabit Ethernet Media Converter NT-3011 Series

❖ Overview

NT-3011 series 10/100/1000Mbps adaptive Gigabit Ethernet media converter adopts switching technology to fulfill media conversion. It complies with IEEE802.3, IEEE802.3u, IEEE802.3z and IEEE802.3ab standards. Presently it supports two types of media network connections: 10Base-T/100Base-TX/1000Base-T and 1000Base-SX/LX, inter-converting electrical signals of 10Base-T, 100Base-TX and 1000Base-T twisted pairs with optical signals of 1000Base-SX/LX. It helps two Ethernet endpoints communicate with each other through fiber up to 100KM. NT-3011 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

- ❖ Complies with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-SX/LX
- ❖ Media conversion between 10/100/1000Base-T and 1000Base-SX/LX
- ❖ 10/100/1000M media converter with SFP slot is available
- ❖ Supporting auto-sensing full-duplex and half-duplex operation
- ❖ Supporting auto-sensation of MDI/MDI-X, facilitating system commissioning and installation
- ❖ Supporting the transmission of JUMBO frame (9K)



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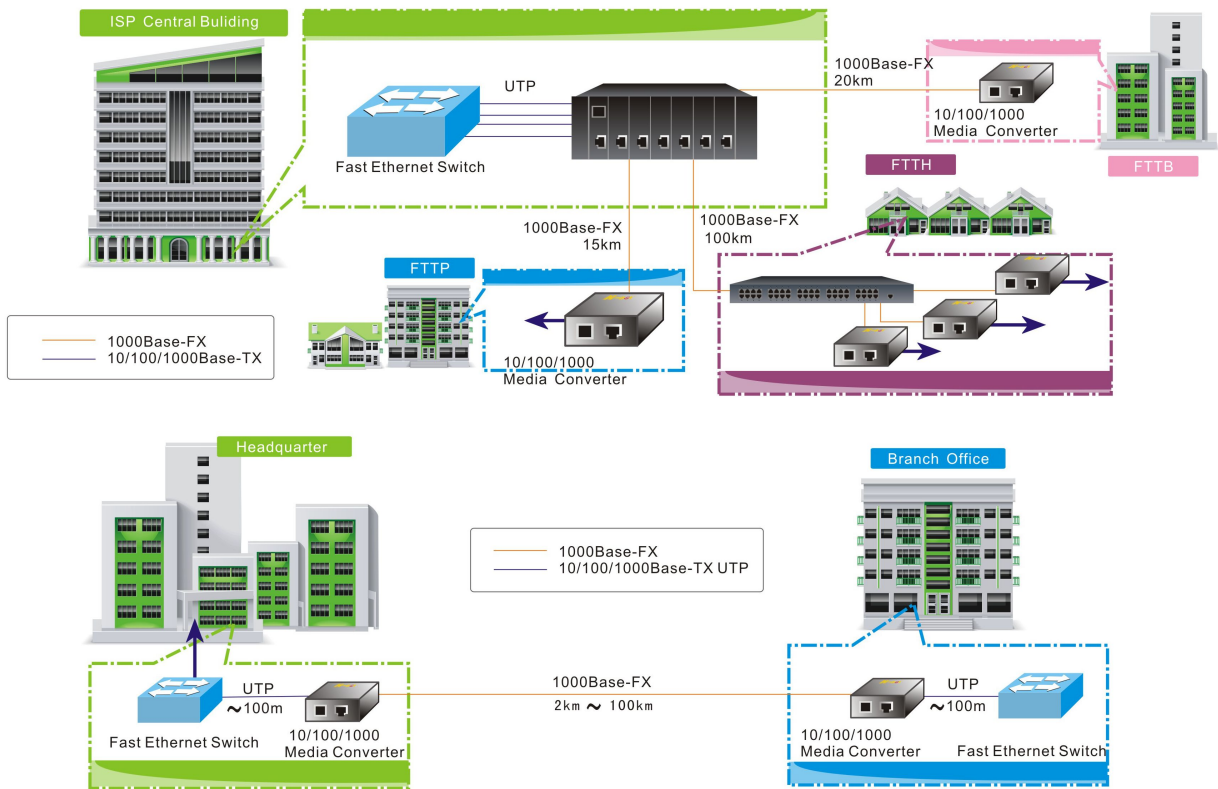
❖ Specifications

Parameter	Specifications
Access mode	10/100/1000Mbps Gigabit Ethernet
Standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX Fast Ethernet, IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-SX/LX Gigabit Ethernet IEEE802.3x Flow Control
Wavelength	850nm/1310nm/1550nm
Transmission distance	Multi-mode Dual-fiber: 220m (62.5/125 μ m)/550m (50/125 μ m) Single mode Dual-fiber: 20/40/60/80/100km(9/125 μ m) Single mode single-fiber: 20/40/60km(9/125 μ m) Category-5 twisted pairs: 100m
Port	One RJ45 port: Connecting with STP/UTP category-5 twisted pairs, EIA568A/B One optical port: Multi-mode Dual-fiber: SC/LC(SFP) (50, 62.5/125 μ m) Single mode Dual-fiber: SC/FC/LC(SFP) (9/125 μ m) Single mode Single-fiber: SC/FC (9/125 μ m)
MTBF	100,000 hours
LED indicator	POWER (power supply), FX LINK (optical link action) TP LINK1000 (TP cable rate1000M), TP LINK100 (TP cable rate 100M) TP ACT (TP cable packet forwarding action), FDX (TP full duplex operation)
Power supply	External: AC90~264V/DC100~380V input, 5V 2A output
Power consumption	Max. 5W
Operating temperature	-10~55 $^{\circ}$ C
Operating humidity	5%~90% non-condensing
Maintaining temperature	-40~75 $^{\circ}$ C
Maintaining humidity	5% ~ 90% non-condensing
Dimensions	71mm (W) \times 94mm (D) \times 26 mm (H) (external power supply)
Weight	0.47kg



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❖ Application





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❖ Order Information

Double fiber	
NT-3011	10/100/1000Base-T to 1000Base-F, multi-mode,2km,SC standalone, external power adaptor
NT-3011S-20	10/100/1000Base-T to 1000Base-F,single-mode,20km,SC standalone, external power adaptor
NT-3011S-40	10/100/1000Base-T to 1000Base-F,single-mode,40km,SC standalone, external power adaptor
NT-3011S-60	10/100/1000Base-T to 1000Base-F,single-mode,60km,SC standalone, external power adaptor
NT-3011S-80	10/100/1000Base-T to 1000Base-F,single-mode,80km,SC standalone, external power adaptor
NT-3011S-100	10/100/1000Base-T to 1000Base-F,single-mode,100km,SC standalone, external power adaptor
Single fiber	
NT-S3011-20	10/100/1000Base-T to 1000Base-F,single-mode,20km,SC standalone, external power adaptor
NT-S3011-40	10/100/1000Base-T to 1000Base-F,single-mode,40km,SC standalone, external power adaptor
NT-S3011-60	10/100/1000Base-T to 1000Base-F,single-mode,60km,SC standalone, external power adaptor
NT-3011SFP	10/100/1000Base-T to 1000Base-F,SFP port, without SFP module, standalone, external power adaptor