



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

❖ Overview

NT-3011 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, inter-converting electrical signals of 10Base-T/100Base-TX/1000Base-T twisted pairs with optical signals of 1000Base-SX. It extends the transmission distance of network from 100m via copper cable to 500m via fiber optical cable. It supports transmission in multi-mode dual fiber.



❖ Features

- ❖ Complies with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-SX
- ❖ Media conversion between 10/100/1000Base-T and 1000Base-SX
- ❖ 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 extra-long VLAN packets
- ❖ Supporting Quality of Service (QoS) and ensuring the transmission of VoIP packets;
- ❖ Store-and-Forward mechanism
- ❖ Options in multi-mode dual fiber

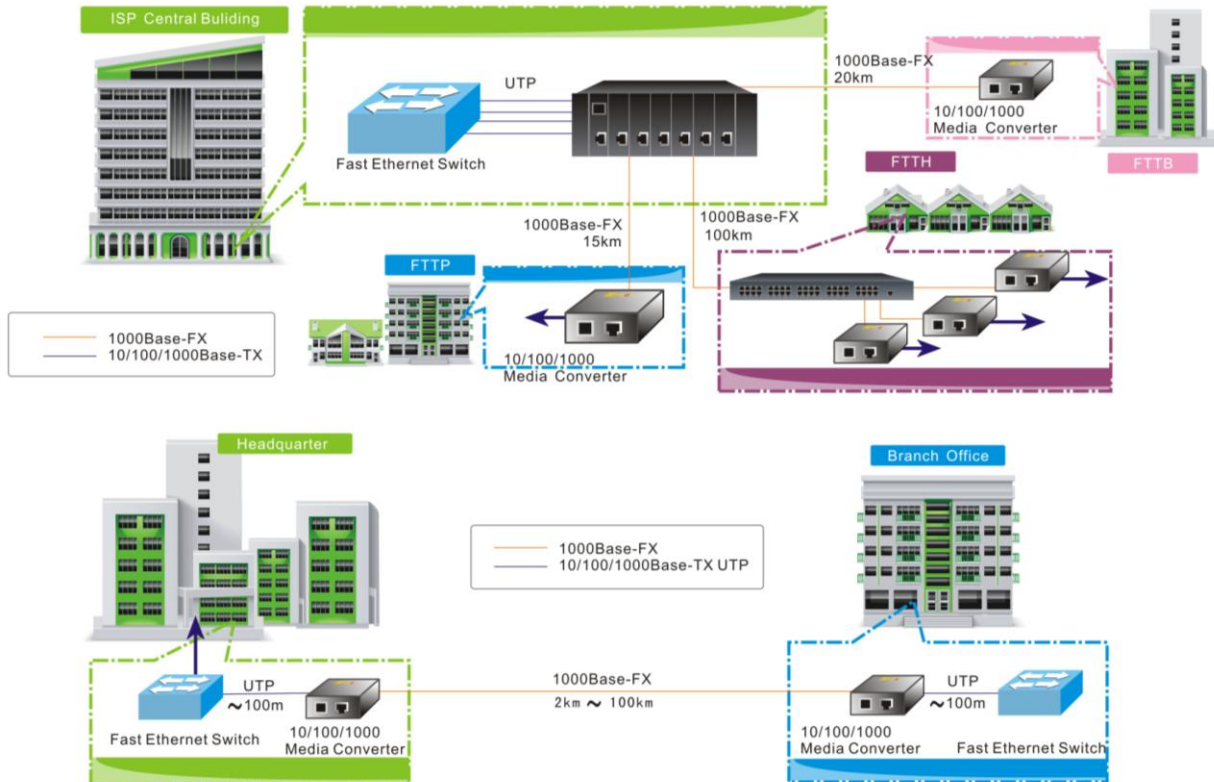


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❖ Specifications

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 Gigabit Ethernet
Wavelength	850nm/1310nm/1550nm
Transmission distance	Multi-mode Dual-fiber: 220m (62.5/125μm)/550m (50/125μm)
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, 62.5/125μm)
BER	$<10^{-9}$
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°C
Operating humidity	5%~90%
Maintaining temperature	-40~70°C
Maintaining humidity	5% ~ 90% non-condensing
Dimensions	71mm (W)×94mm (D)×26 mm (H) (external power supply)

❖ Application





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

❖ Order Information

NT-3011	10/100/1000Base-T to 1000Base-F,multi-mode,500m,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