

# 10/100/1000M Gigabit Ethernet Unmanaged Media Converters NT-3100 Series

## Overview

NT-3011 Ethernet media converter can interconvert electrical signal of 10Base-T, 100Base-TX and 1000Base-T twisted pairs with optical signals of 1000Base-SX/LX. It extends the network transmission distance from 100m via copper cables up to 20km via fiber optical cable. It enables the data to transmit in two different mediums of electrical and optical networks by the technology of data link L2 store-and-forward. It supports transmission in multi-mode dual fiber, single-mode dual fiber and single-mode single fiber. Other types of transmission like single-mode single fiber (WDM), CWDM and DWDM are possible thank's to SFP transceiver based media converter.

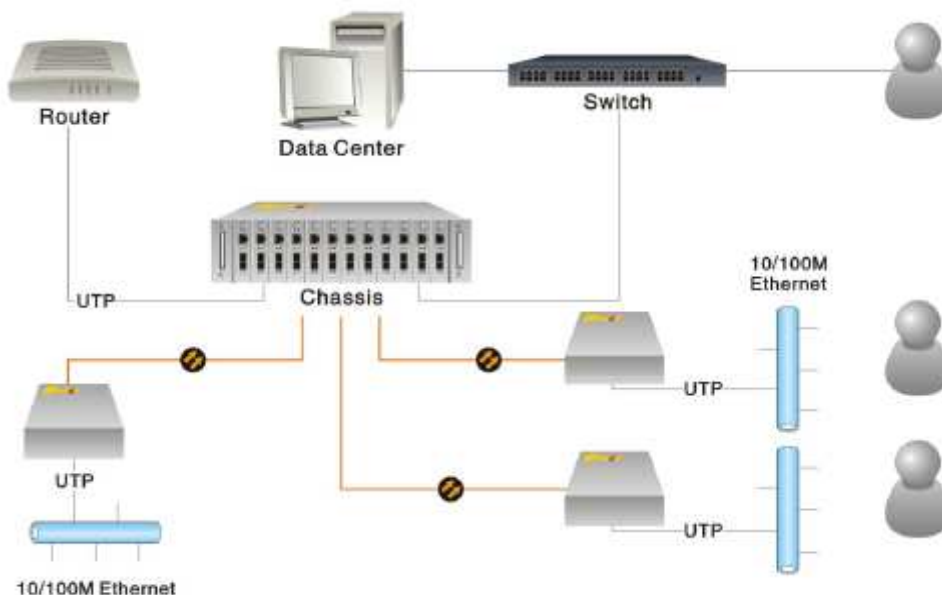
Media converters are designed as stand-alone units which consist of media conversion card inserted in one-slot chassis with internal power supply. Optionally the customer can remove the conversion card and use it in 16-slot media converter rack NT-R16. This rack is a kind of cost-effective unmanaged 2U chassis widely used in the central equipment room. It is furnished with two power supplies in active/standby mode with automatic switch-over. Different N-Net media conversion cards can be used simultaneously, each card supports hot-swapping.



## Features

- 10/100/1000Mbps auto-sensed, facilitating network upgrade
- 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
- Supporting half/full-duplex of FX
- Supporting low-time lad transmission
- Supporting the transmission of extra-long packets up to 1600 bytes
- Extremely low power consumption (less than 5W), low heat, reliable and stable performance and long lifetime
- Options in multi-mode dual fiber, single-mode dual fiber and single-mode single fiber
- Switch on/off button on the rear side

## Application



## Technical Indexes

- Access mode: 10/100/1000Mbps
- Standards: IEEE 802.3 10Base-T Ethernet, IEEE802.3u, 100Base-TX/FX Fast Ethernet, IEEE 802.3ab 1000Base-T, 802.3z 1000Base-SX/LX Gigabit Ethernet, IEEE802.3x Flow Control
- Buffer space: Built in 2Mb RAM for data buffer
- Flow control: Full Duplex Flow Control, Half Duplex Back Pressure
- MTBF 100,000 hours
- LED indicators: POER (power supply), FX LINK/ACT (optical link / action), FDX (FX full duplex), TX LINK/ACT (TP cable link / action), TX10/100 (TX cable rate 10/100M), FX100 (fiber cable rate 100M)
- Switch on/off button on the read side
- Power supply: Internal, AC90~264V, 50Hz, European power cord included
- Power consumption: <5W (media converters), max. 95W (chassis NT-R16)
- Operating temperature: 0°C ~ 50°C
- Stocking, non-operating temperature -20°C ~65°C
- Operating and stocking humidity: 5% ~ 90% non-condensating
- Dimensions:
  - media converters NT-3011 series: 32mm (H) x 127mm (W) x 156mm (D)
  - rack NT-R16 series: 91mm (H) x 423mm (W) x 285mm (D)

## Media converter types and ordering codes

NT-3011D	10/100/1000Base-T RJ-45 to 1000Base-SX, 220m for 62,5/125µm Multi-mode dual fiber, 550m for 50/125µm Multi-mode dual fiber, 850nm, Dual SC Connector
NT-3011DS-20	10/100/1000Base-T RJ-45 to 1000Base-LX, 20km, Single-mode Dual Fiber, 1310nm, Dual SC Connector
NT-3011DSFP	10/100/1000Base-T RJ-45 to 1000Base-X (SFP based), SFP transceiver not included
NT-R16-2-A	19" 2U Chassis, 16 slots for N-Net media converter modules, with dual power supplies 230VAC

## About N-Net

Established in 2001 and headquartered in Shenzhen, N-Net Technology is one of China leading fiber equipment suppliers, specializing in the R&D, manufacturing, marketing of media conversion technologies.

## Quality

- ISO9001 Quality System
- Full-Spectrum environment and electrical testing of all product design
- 48 hours aging test before delivery
- Qualified CE, RoHS, C-Tick

Our promise is to provide innovative, reliable and efficient products and service in order to consistently create maximum value for customers. We will make our future by continuous challenging and developing of fiber optical communication technology.

For more information please visit [www.n-net.com.cn](http://www.n-net.com.cn) or contact your local reseller or distributor:

### Authorized distributor for Czech and Slovakia:

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