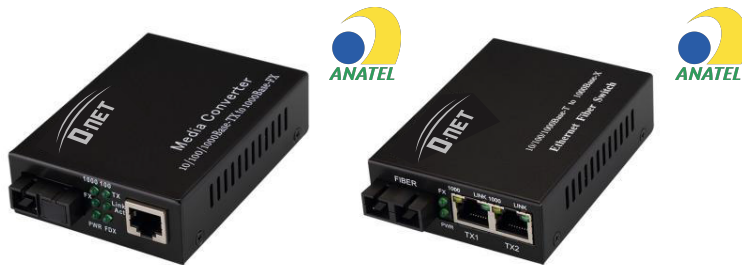


10/100/1000BASE-T to 1000BASE-SX/LX Gigabit Media Converters



Providing the flexibility of 10/100/1000Mbps Ethernet Media via RJ-45 port and highly stable Gigabit fiber performance, DN-10000 series media converters support conversion between 10/100/1000Base-T and 1000Base-LX/SX network. There are SC/SFP/WDM connectors with single-mode or multi-mode media as required. The Ethernet signal allows three types of segments to connect easily, efficiently and inexpensively.

Distance Extension with High Performance and Steady Network Communications

DN-10000 Series gigabit media converter series extends communication distance with highly Gigabit performance via fiber optic cable. The DN-10000 series provide media conversion between 10/100/1000Base-T and 1000Base-SX/LX interfaces such as multi-mode LC/SC connectors (500m), single-mode LC/SC connectors(20/40/60km) and single fiber connectors (WDM, 20/40/60km) for various fiber optic applications.

Enhanced Smart Management Features

The DN-10000 series provides auto MDI/MDI-X on its TP port and the DIP switch to configure the Link Fault Pass through function (LFP). The LFP function includes the Link Loss Carry Forward (LLCF)/Link Loss Return (LLR). LLCF/LLR can immediately alarm administrators the problem of the link media and provide efficient solution to monitoring the net. The DIP switch can disable or enable the LFP function. The LLCF means when a device connected to the converter and the TP line loses the link, the converter's fiber will disconnect the link of transmission. The LLR (Link Loss Return) means when a device connected to the converter and the fiber line loses the link, the converter's fiber will disconnect the link of transmission. Both can immediately alarm administrators the problem of the link media and provide efficient solution to monitoring the net.

- Complies with IEEE 802.3 10Base-T, IEEE802.3U 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE802.3z 1000Base SX/LX
- TP port supports 10/100/1000Base-T auto-negotiation and auto-MDI/MDI-X.
- 1000Base-SX: 50/125µm or 62.5/125µm multi-mode fiber cable, up to 500m
- 1000Base-LX: 9/125µm single-mode cable provides long distance for 20/40/60km
- 1000Base-LX WDM interface for up to 20/40/60km (single-mode fiber 9µm/125µm)
- 1000Base-T: 2-pair Cat. 5/5e/6 UTP cable, up to 100 meters.
- Layer 2 key Features
 - IEEE 802.3x full-duplex flow-control and back-pressure in half-duplex eliminate the loss of packets
 - Supports auto MDI/MDI-X function
 - Store-and-Forward mechanism
 - Non-blocking full wire-speed forwarding rate
- Media conversion between 10/100/1000Base-T and 1000Base-SX/LX.
- Fiber media allows:
 - Multi-mode fiber using SC/LC/WDM connector;
 - Single-mode fiber using SC/LC/WDM connector
- Compact size for working with MC family media
- Wall-mountable design
- LED indicators for easy network diagnostics
- Provides DIP switch for LFP function (Disable / Enable) setting
- OAM TS-1000 supported
- 9K Jumbo Frame Supported
- Choice of fiber-connector from SC, LC and WDM, multi-mode / single-mode fiber for 1000Base SFP interface
- Compact in size, easy installation

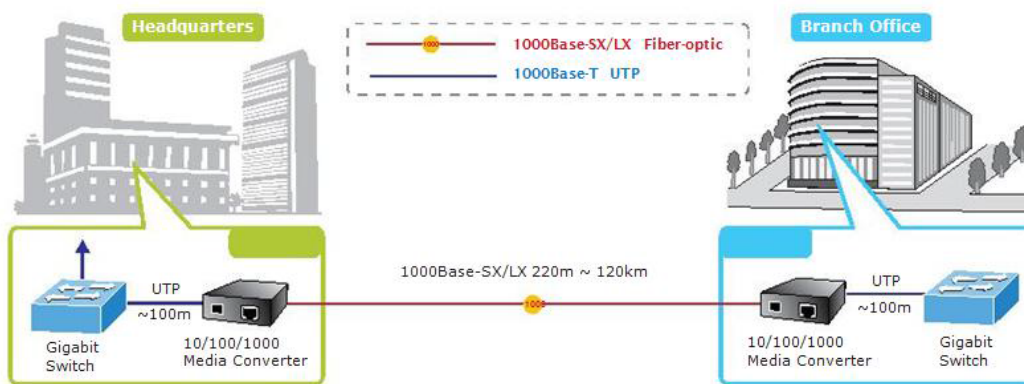
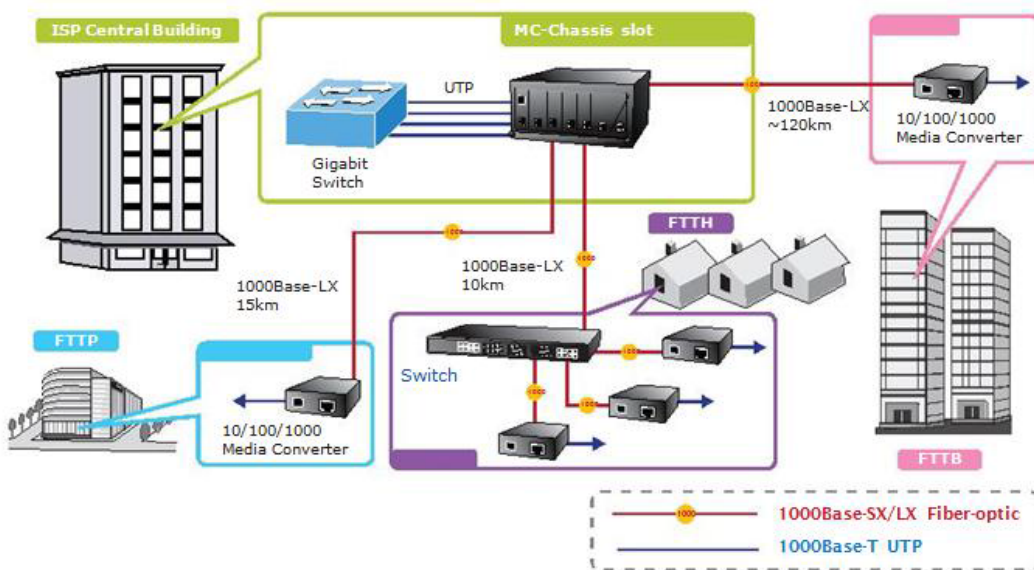
Easy Installation

The DN-10000 series allows two types of the segment to connect easily. It can be used as a standalone unit when powered by its DC adapter. As the Gigabit Media Converter fully complies with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-LX/SX, the Gigabit media conversion installation is quite quick and easy with its plug and play feature. It also supports flow control and back pressure in half-duplex to eliminate packet loss.

Applications

Fiber-optic Networking for ISPs, Enterprises, and homes

With high performance of data transmission and easy installation, DN-10000 series can build the ISP network solution of FTTH (Fiber to the Home) or FTTC (Fiber to the Curb) for ISPs and FTTBs (Fiber to the Building), for small office network environment of enterprises.



Specifications

Product	DN-10000 Series
Standards	IEEE 802.3, 10BASE-T IEEE 802.3u, 100Base-TX IEEE 802.3ab, 1000Base-T IEEE 802.3z, 1000Base-SX/LX
Ports	1 x 10/100/1000Base-T port, 1 x 1000Base-SX/LX port
Copper Interface	RJ-45 port (Auto-MDI/MDI-X) Twisted Pair
Optical Interface	LC(SFP), SC(1x9)
LED Indicator	<ul style="list-style-type: none"> ▪ PWR ▪ TP LINK/ACT, 1000 ▪ Fiber LINK/ACT
DIP Switch	LFP function (Disable / Enable) setting
OAM	TS-1000 and IEEE 802.3ah Terminal mode
Multi-mode Cable	50/125, 62.5/125 μm
Single-mode (SM) Cable	9/125 μm
Jumbo Packet Size	9K
Power Consumption	4.6 watts / 15 BTU (maximum)
Power Input	DC 5V / 2A
Dimensions (W x D x H)	26 x 70 x 97 mm
Weight	0.2kg
Operating Environment	Temperature: 0~50° C Humidity: 5~90% non-condensing
Storage Environment	Temperature: -40~70 degrees C Humidity: 5~90% non-condensing
Anatel Certification Number	DN-10000M: 02824-18-02159 DN-10000S20: 02602-18-02159