

## 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, NW-3100 and NW-4100 series media converters support conversion between 10/100/1000Base-T and 1000Base 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

NW-3100 and NW-4100 media converter extends communication distance with highly gigabit performance via fiber optic cable. The NW-3100 and NW-4100 series provide media conversion between 10/100/1000Base-T and 1000Base 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 NW-3100 and NW-4100 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.

### Easy Installation

NW-3100 and NW-4100 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 converters installation is quite quick and easy with its plug and play feature. It also supports flow control and backpressure in half-duplex to eliminate packet loss.

## Specifications

Product	NW-3100 & NW-4100
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"><li>▪ PWR</li><li>▪ TP LINK/ACT, 1000</li><li>▪ Fiber LINK/ACT</li></ul>
DIP Switch	LFP function (Disable / Enable) setting
OAM	TS-1000 and IEEE 802.3ah Terminal mode
Multi-mode Cable	50/125, 62.5/125 $\mu$ m
Single-mode (SM)	9/125 $\mu$ m
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 °C Humidity: 5 ~ 90% non-condensing
Emissions	FCC Class A, CE Class A

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