



FNS-160 series of 1-Port Industrial Fast Ethernet Media Converter designed to be slightly larger than the size of a cigarette box. This makes it an ideal model that would physically fit within the limited space of a chassis (i.e. machinery control box, duct assembly room, etc.). It also supports switch forwarding mode with abnormal packet filtering and pure converter mode for extreme low latency requirement.

For easy maintenance and saving time, the FNS-160 series features remote Link Loss Forwarding technology which provides remote link down signal forwarding, acknowledging link events that have occurred on each end of FNS-160 to the main server. To activate forwarding mode and LLF functions, simply adjust DIP switch, then reset the converter, the reconfigurations will be applied quickly and efficiently.

For harsh environment installation such as vibrating machinery or duct assembly rooms, the FNS-160 Media Converter can be easily mounted directly onto DIN rail and is powered with DC 18~32V, or AC 12~27V where DC input is not available. With Ingress Protection grade 31 and rigid alloy case, the FNS-160 series can survive and has excellent performance within a wide temperature range, severe electromagnetic interference and out-coming vibration

Access Mode : 10/100 Mbps for UTP Port and 100 Mbps for Fiber Optic Port

Standard IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX/FX Fast Ethernet, IEEE802.3x Flow control

Wavelength 1310nm Dual Fiber Single-mode; 1310nm/1550nm Single Strand Fiber

Transmission Distance Dual-fiber multi-mode: 2 km, Dual-fiber single mode: 20/40/60/80/100/120 km

Single fiber single mode: 20/40/60/80/100 km, Category-5 twisted pairs: 100m

Number of Ports One (1) RJ45 port: For connecting STP/UTP category-5 twisted pairs, One (1) optical port:

Multi-mode, dual fiber: SC (50, 62.5/125 μ m)

Single mode, dual fiber: SC or FC (9/125 μ m)

Single mode Single fiber: SC or FC (9/125 μ m)

Switching Architecture, Store-and-Forward and Cut-through

MAC Address Table 1K

Buffer Memory 1MBytes

Flow Control Full duplex: flow control;, Half duplex: back pressure

Delay Store-and-forward: 9.6 μ s, Cut-Through: 0.9 μ s

Error Rate <19⁻⁹

MTBF 100,000 hours

LED Indicator PWR - Power Supply, FX LINK/ACT - Optical Link/Activity, TP LINK/ACT - Twisted Pairs Link/Activity

FDX - Full Duplex FX , TP 100 - Twisted-Pair 100 Mbps Transmission Rate

FX 100 - Fiber Optic 100 Mbps Transmission Rate

Power Source DC5V 1Amp AC/DC Power Adapter

Power Consumption 4.6 Watts

Temperature Operating: -40 ~ 85°C Storage: -65 ~150°C

Humidity Operating: 5% ~ 90% Storage: 5% ~ 90% Non-Condensed

Dimensions 30mm (W) x 106mm (D) x 135mm (H)

Weight (Physical)0.33Kg (0.73lb) for all models

Emission FCC Part 15 Class B, CE and RoHS

Safety UL, cUL and TUV

