

Industrial WDM

## Media Converter 10/100 1/2/4/8 (Port RJ45) PoE


 Model : WD-iN 111

 Model : WD-iN 112

 Model : WD-iN 114

 Model : WD-iN 118
**FC CE IP40**


### Features

- Built-in efficient switching core to implement flow control and reduce broadcast packets
- Standard: IEEE802.3u, Auto-MDIX & Auto-negotiation, 100BASE-FX, IEEE802.3u 100BASE-TX, IEEE802.3 10BASE-T IEEE802.3x
- 10/100Base-TX can automatically identify the direct line and cross-line with Various cards, switches, HUB and other Ethernet devices
- It uses a store-and-forward mechanism to avoid packet loss and error frames
- Support cut-through transmission and full-duplex flow control/ half-duplex back pressure mode
- Support jumbo frame up to 9K (cut-through mode)
- 48V DC or 24V AC Wide power input, redundant power and reverse polarity protection
- -40 to 80°C operating temperature to meet a variety of complex environments
- IP40 protection standard housing
- Power port and Ethernet port supports ESD protection and EFT protection
- Din rail and panel mounting for efficient usage
- Support single-fiber single-mode fiber port selection expanded the needs of users (optional)
- Support DIP switches for operation mode setting

### Specification

Type	Description
Design Level	Industrial grade IP40 design standards
Access mode	10/100 Mbps
Standard	IEEE802.3u 100BASE-FX/TX, IEEE802.3 10BASE-T, IEEE802.3x Flow Control, IEEE802.3at
Wavelength	1310nm/1550nm
Transmission distance	Single fiber single mode : 20/40/60/80/100 km Category-5 twisted pairs : 100m
Port	One RJ45 port : Connecting category-5 twisted pairs, EIA568A/B One optical port Single mode : SC (9/125 μm)
Conversion means	Store and Forward mode or Cut-Through mode
Address table	1K
Buffer space	Built in 288Kb RAM for data buffer
Flow control	Full duplex : flow control Half duplex : back pressure
BER	<10 <sup>-9</sup>
MTBF	50,000 hrs
LED indicator	Power Supply : PWR1, PWR2 : UTP Port: PoE1, L/A, 100M : Fiber port : F1
Power supply	Power Input Range: 48V DC/24V AC, 6-PIN Terminals, Redundant dual power
Power consumption	<5W (without PSE function)
Operating temperature	-40~80°C
Operating humidity	5%~95% non-condensing
Storage temperature	-40~80°C
Storage humidity	5%~95% non-condensing
Dimensions (mm)	140(W)x110(D)x40(H)