MCLN2-P1N Series

Industrial two channels 10/100M Ethernet Media Converter with SFP

Product Description

The KBC MCLN2-P1N series is an industrial two channels 10/100M Ethernet media converter. It supports transmission of two channel 10/100Base-T Ethernet over SFP port. By selecting different KBC SFP modules, the media converter can be transmitted via one or two, multimode or single mode optical fibers with full duplex operation. There is no A end or B end for MCLN2-P1N series, both ends of MCLN2-P1N are same, but when inserting 1 fiber version SFP module, two ends should be matched, that means one end is 1310nm/1550nm SFP, the other end is 1550nm/1310nm SFP. Typically the two channels media converter is installed in remote end, in the head end compatible MCLN1 series is installed. Plug-and-play design makes installation straightforward, with no electrical or optical adjustment needed. LED indicators are provided to show the operational status of the unit. Rugged design in both enclosure and electrical protection makes it suit for application in harsh environment.

The series is available in wall mount, DIN, and 2U passive rack FR2-12, or card version in 2U chassis FR2-16.

Wall & DIN Rail Mount Media Converter

Card Version

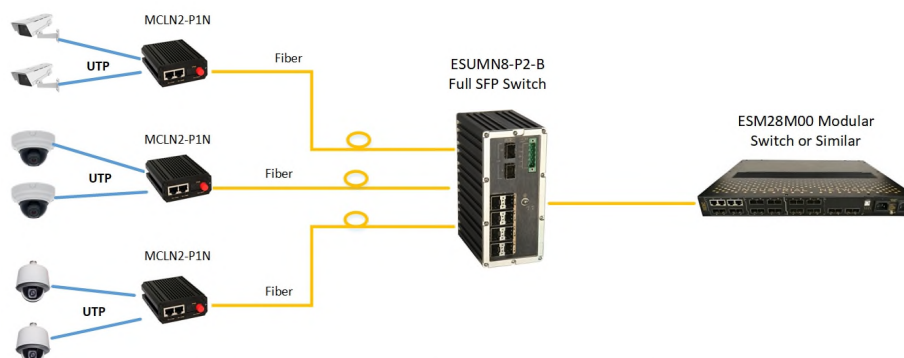FR2-12 W/12 Slots

FR2-16 W/16 Slots & Power Supply

Product Features

- 10/100M auto sensing
- 2*100Base-TX Port
- 1*100Base-FX Port
- 2kV Surge Protection on RJ45 electrical Port
- Compatible with 1 channel 100M media converter MCLN1(both 1*9 optics and SFP optics series)
- IP40 enclosure
- DIN, Wall Mount
- FR2-12 passive Rack with 12 slots or Chassis card in FR2-16 with 16 slots

Typical System Configuration

Typical Application -1 : Point to Point connection

Typical Application -2 : Media converters directly connect to SFP switch

Specifications

Standards
IEEE Standards   IEEE802.3 10Base-TX
IEEE802.3u 100Base-TX
IEEE802.3u 100Base-FX

Electrical
Data Port   2
Data Rate   10/100Mbps Auto-Sensing
Half & Full Duplex
Surge Protection   2kV

Optical
100Base-FX SFP port[1]   1

Power
Power Input   +12Vdc
Power consumption   < 3W
Power Supply [2]   Input: 100 ~ 240Vac
Output: +12Vdc
Chassis Card   Supplied from FR2 PSU

Environmental
Operating Temperature   -40° ~ +75°C
Storage Temperature   -40° ~ +85°C
Operating Humidity   0 to 95% non-condensing
Mean Time Between Failure (MTBF)   > 100,000 Hours

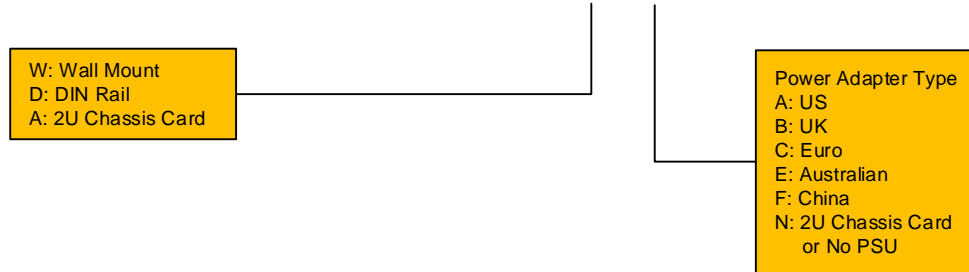## Enclosure Protection   IP40

Connectors
10/100 Electrical   RJ-45
Power   Screw Block Terminal

Others
Cable   CAT5 or CAT6, direct or cross cable
LEDs   Connection status
data sending & receiving

Part Number Configurator

MCLN2-P1N-XNX-B

W: Wall Mount
D: DIN Rail
A: 2U Chassis Card

Power Adapter Type
A: US
B: UK
C: Euro
E: Australian
F: China
N: 2U Chassis Card
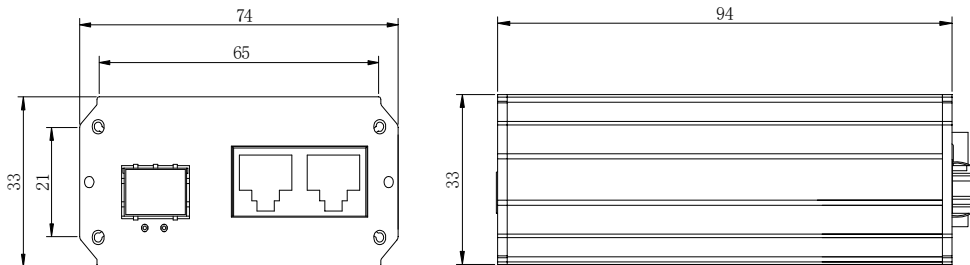or No PSU

Dimension

L x W x H   94mm x 74mm x 33 mm

1. SFP module sold separately. Please reference KBC SFP module spec
2. Power adapter is included.

Due to ongoing technological improvements, product specifications are subject to change without notice. KBC is not liable for any errors, omissions or changes of any description of the goods contained herein. This information is for the sole purpose of identifying the products and KBC makes no warranty that the products conform to any description contained herein. Do not rely solely on any representations, statements, or assertions concerning these Products contained herein.