

MCD-2110

Industrial Media Converter 1G Fiber 1G Ethernet

PAMIX Industrial media converter designed to work in extremely harsh environments, it can work under high temperature, surges, vibration. PAMIX Industrial Ethernet optical fiber media converter MCD-2110 can efficiently do conversion between 10/100/1000M Ethernet RJ45 port and fiber SCD port. Support and compatible with both half & full duplex mode. It can carry out long distance data and video signal transmission. Both single-mode and multi-mode fiber types are supported. It's stable and very simple, requires no configuration, it works once it is powered. It can be fixed inside network cabinets on DIN-rail or on shelves, It can be wall mounted or desktop also.



Main Features

- Auto negotiable 10/100/1000M network speed with auto-MDI/MDI-X
- Auto negotiable full-duplex and half-duplex transmission mode according to IEEE 802.3x flow control
- Support QoS packets VOIP
- STP protocol is supported
- Working mode indicator light
- Low power consumption and low heat generation
- Support both Single-Mode fiber & Multimode fiber
- Duplex fiber Single-Mode, Duplex fiber Multimode, Simplex fiber Single-Mode
- Plug and play
- Overload current protection
- IP40 protection
- Can be mounted on Desktop, Wall with optional kit and DIN Rail
- CE/FCC/ROHS 2.0 Compliance product

Specification

I/O Interface

Power	Input Voltage 12-58 VDC
	Redundant Power Inputs Supported
Ethernet	Power Consumption ≤ 3 Watt
	1 RJ45 Ports 10/100/1000M (Cat5/Cat5e/Cat6/Cat6a/Cat7/Cat7A ≤100 meter)
	1 SCD Port 1.25G
	Distance SM OS1/OS2: 20/40/80/100/120 km
	Distance MM OM1/OM2/OM3/OM4: 550Meter / 2Km
	Bi-Di: 20/40/80/100/120 km

Performance

Switching Capacity	4G bps
Buffer Space	1M bit
Jumbo Frame	10K Bytes
Transfer Mode	Store and Forward
Time Delay	< 10μs
Flow Control	Supported
Mac Address Size	1K Bit

Standard

Network Protocol	IEEE802.3 (10Base-T)
	IEEE802.3u (100Base-TX/FX)
	IEEE 802.3ab (1000Base-TX)
	IEEE 802.3z (1000Base-FX)
	IEEE802.3x (Flow control)
Optical Characteristics	IEEE802.1d (Spanning Tree)
	Multimode: 850nm, Single mode: 1310/1550nm
	EMI: FCC Part 15 CISPR (EN55032) class A
Industry Standard	EMS: EN61000-3-2, EN61000-3-3, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11
	Shock: IEC 60068-2-27
	Free Fall: IEC 60068-2-32
	Vibration: IEC 60068-2-6
Safety Certification	CE, FCC, RoHS

Environment

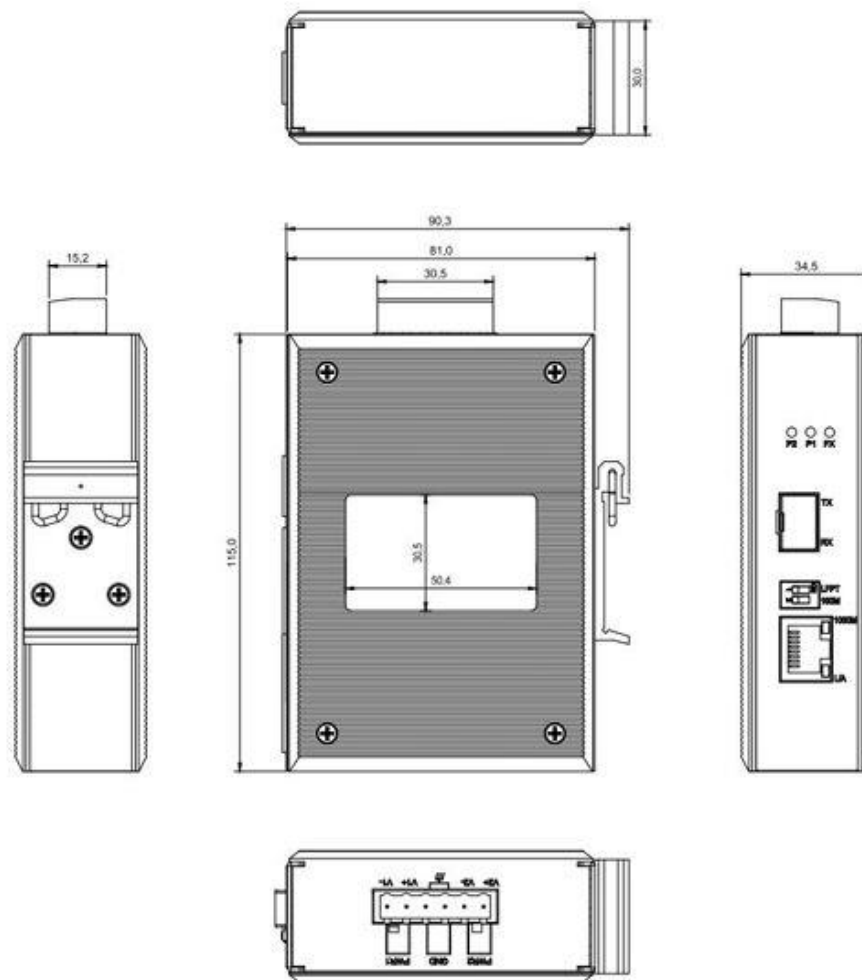
Working Environment	Working Temperature : -40~85° C
	Storage Temperature : -40~95° C
	Working Humidity : 5%~95%, non-condensing

Mechanical

Size	Product Size: 115x81x35mm
	IP40 Protection, Aluminum Alloy

Indicators

LED Indicators	PWR1: ON = Power connected
	PWR2: ON = Power connected
	FL/A : ON= Fiber Connected, Active= Data Transmitting
	TL/A : ON= Copper Connected, Active= Data Transmitting



Ordering Information

Description	Model	Article Number
- PAMIX MCD-2110 Media Converter, MM, 1 RJ45 10/100/1000M Ports, 1 SCD Port	MCD-2110	5101083
- PAMIX MCD-2110 Media Converter, SM, 1 RJ45 10/100/1000M Ports, 1 SCD Port	MC-2110	5101084
- PAMIX MCD-2110 Media Converter 1 RJ45 10/100/1000M Ports, 1 SFP Slot	MC-2110	5101088
- PAMIX SFP 1.25G Multi Mode 850nm LCD 550m range	S-MD12-05D-85-xx	5101211
- PAMIX SFP 1.25G Single Mode 1310nm LCD 20km range	S-SD12-20D-13-xx	5101212
- PAMIX SFP 1.25G Single Mode TX1310/RX1550nm LC 20km range	S-SB12-20D-35-xx	5101217
- PAMIX SFP 1.25G Single Mode TX1550/RX1310nm LC 20km range	S-SB12-20D-53-xx	5101218

*Optional more distances available 40/60/80/120km

*Optional other connectors are available on special request FC/ST