

## MCP-5110

### Media Converter 1G Fiber 1G Ethernet PoE / LFPT

PAMIX Ethernet optical fiber media converter can efficiently do conversion between 10/100/1000M Ethernet RJ45 port and fiber SCD port or SFP slot. Support and compatible with both half & full duplex mode. It can carry out long distance data and video signal transmission up to 120km. Both single-mode and multi-mode fiber types are supported. It support both desk, wall and rack installation. It's stable, suitable for harsh environments, thanks to its double side ventilation design.

PAMIX MCS-5110 is PoE media converter. In addition to its efficient media conversion it was designed to work as power ejector for those IP devices require power like cameras, VOIP phones, Access Points, etc. It can provide those devices with 24 watt or 65 watt based on selected model over twisted 4 pair symmetrical cable.

PAMIX MCS-5110 media converter designed to have DIP switches to full fill the growing demand for media converter usage in different industrial technical environments. PAMIX MCS-5110 media converter through its DIP switches enable customers to use the Link Failure Pass Through (LFPT) to prevent data loss in case of link loss.



## 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 Link Failure Pass Through (LFPT)
- Support QoS packets VOIP
- STP protocol is supported
- Working mode indicator light
- Support both Single-Mode fiber & Multimode fiber
- Duplex fiber Single-Mode, Duplex fiber Multimode, Simplex fiber Single-Mode
- Hot plug and play
- ESD surge protection
- IP30 protection
- Can be mounted on Desktop, Wall with optional kit or Rack Chassis
- CE/FCC/ROHS 2.0 Compliance product

## Specification

### I/O Interface

Power	Adapter input voltage : AC 100-240 V, 50/60Hz (Optional -48V dc) Adapter output: Socket Ø2.5mm Media Converter Input: DC 48 -58V dc, 0.67A max. Power Consumption ≤ 33 Watt
PoE	Standard: IEEE 802.3af, IEEE802.3bt Pin Assignment: 1 / 2 (+), 3 / 6 (-) Power Budget : 24 & 65 Watt based on model
Ethernet	1 RJ45 Ports 10/100/1000M (Cat5/Cat5e/Cat6/Cat6a/Cat7/Cat7A ≤100 meter) 1 SCD Port 1.25G or SFP 1.25G/155M (SM OS1/OS2 ≤ 120km, MM OM1/OM2/OM3/OM4≤550 meter)
DIP Switches	LFPT, Flow Control, Jumbo Frame, Forced 100M

### Performance

Switching Capacity	4G bps
Buffer Space	718k bit
Jumbo Frame	16k Bytes
Transfer Mode	Store and Forward
Mac Address	2000
Flow Control	Supported

### 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) IEEE802.1d (Spanning Tree)
Optical Characteristics	Support Multimode: 850nm, Single mode: 1310/1550nm EMI: FCC Part 15 CISPR (EN55032) class A 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
Industry Standard	Shock: IEC 60068-2-27 Free Fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Safety Certification	CE, FCC, RoHS

### Indicators

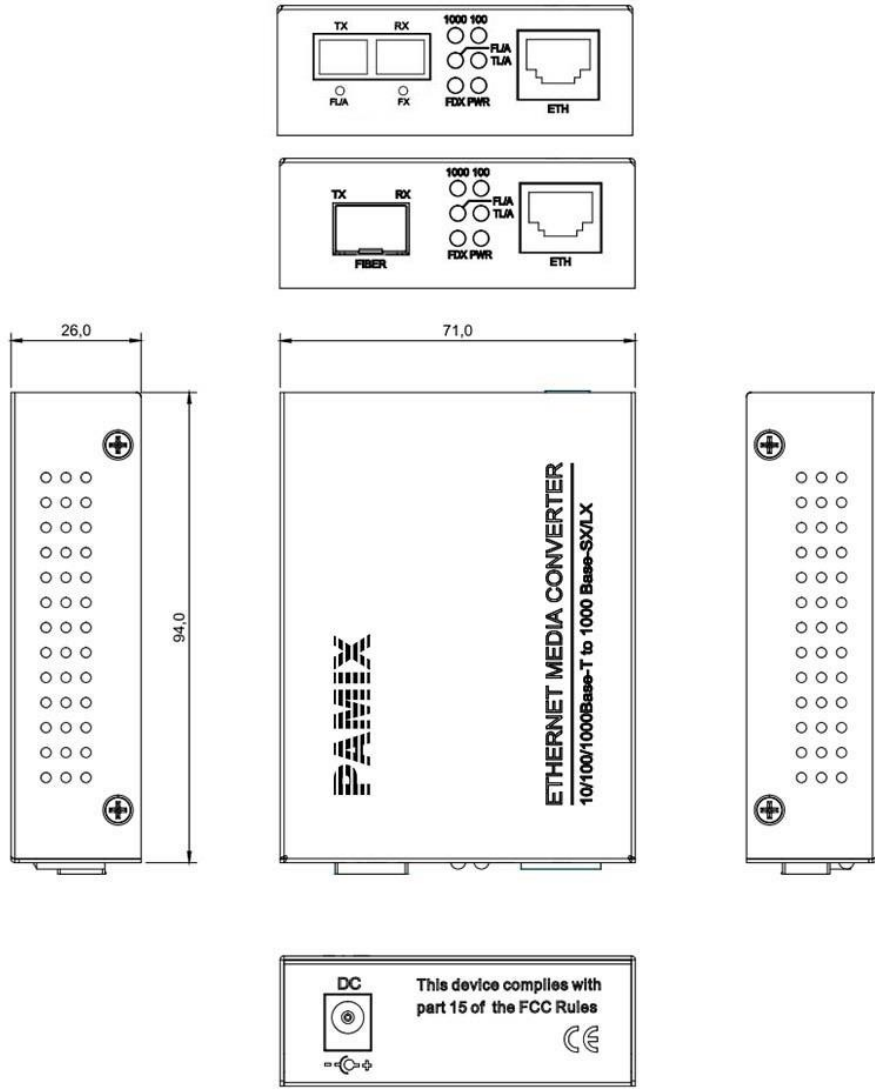
LED Indicators	PWR (Power indicator) , PoE GX (Optical link is connected), FL/A (Optical link in active), FDX (Optical link in full duplex mode) TL/A (Twisted pairs link is connected & active)100 (100Mbps link is connected), 1000 (1Gbps link is connected)
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### Mechanical

Size	Product Size: 94x70x26mm Metal IP30 enclosure
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### Environment

Working Environment	Working Temperature : -20~60° C Storage Temperature : -40~85° C Working Humidity : 5%~95%, non-condensing
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## Ordering Information

Description	Model	Article Number
- PAMIX MCP-5110 PoE/LFPT Media Converter 1 RJ45 10/100/1000M Ports, 1 SFP Slot, 24 WATT	MCP-5110	5101085-24
- PAMIX MCP-5110 PoE/LFPT Media Converter 1 RJ45 10/100/1000M Ports, 1 SFP Slot, 65 WATT	MCP-5110	5101085-65
- PAMIX MCP-5110 PoE/LFPT Media Converter 1 RJ45 10/100/1000M Ports, Dual Fiber SCD 1000M Multimode, 850nm, 550 meter, 24 WATT	MCP-5110	5101086-24
- PAMIX MCP-5110 PoE/LFPT Media Converter 1 RJ45 10/100/1000M Ports, Dual Fiber SCD 1000M Multimode, 850nm, 550 meter, 65 WATT	MCP-5110	5101086-65
- PAMIX MCP-5110 PoE/LFPT Media Converter 1 RJ45 10/100/1000M Ports, Dual Fiber SCD 1000M Single Mode, 1310nm, 20km, 24 WATT	MCP-5110	5101087-24
- PAMIX MCP-5110 PoE/LFPT Media Converter 1 RJ45 10/100/1000M Ports, Dual Fiber SCD 1000M Single Mode, 1310nm, 20km, 65 WATT	MCP-5110	5101087-65
- PAMIX SFP 1.25G Multi Mode 850nm LCD 550m range	S-MD12-05I-85-xx	5101111
PAMIX SFP 1.25G Single Mode 1310nm LCD 20km range	S-SD12-20I-13-xx	5101112
PAMIX SFP 1.25G Single Mode TX1310/RX1550nm LC 20km range	S-SB12-20I-35-xx	5101117
PAMIX SFP 1.25G Single Mode TX1550/RX1310nm LC 20km range	S-SB12-20I-53-xx	5101118
Wall mount installation kit		5101099

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

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