

MCI-1120 Media Converter 1 Fiber 2 Ethernet

PAMIX Ethernet optical fiber media converter 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 support both desk, wall and rack installation. It's stable, suitable for harsh environments, thanks to its double side ventilation design.



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 cause stable long time working
- 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 voltage: 5V dc, Socket Ø2.5mm Media Converter Input: DC 5-12V dc, 2A Power Consumption ≤ 3 Watt
Ethernet	2 RJ45 Ports 10/100/1000M (Cat5/Cat5e/Cat6/Cat6a/Cat7/Cat7A ≤100 meter) 1 SCD Port 1.25G (SM OS1/OS2 ≤ 120km, MM OM1/OM2/OM3/OM4≤550 meter)

Performance

Switching Capacity	4G bps
Buffer Space	1M bit
Jumbo Frame	1916 Bytes
Transfer Mode	Store and Forward
Time Delay	< 10µs
Flow Control	Supported
Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x

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	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

Environment

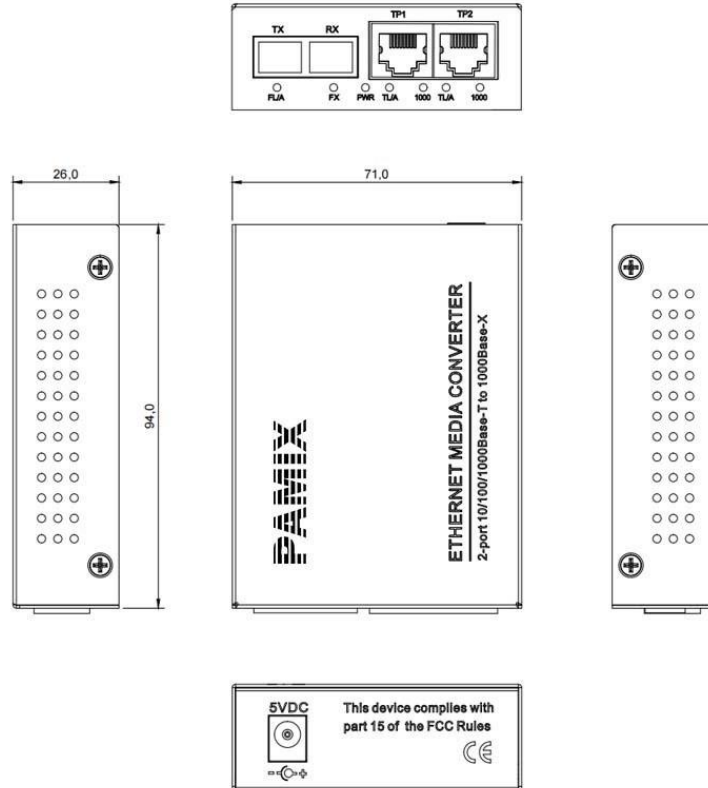
Working Environment	Working Temperature : -20~65° C Storage Temperature : -40~85° C Working Humidity : 5%~90%, non-condensing
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Mechanical

Size	Product Size: 94x70x26mm Metal IP30 enclosure
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Indicators

LED Indicators	PWR (Power indicator) FX (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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Ordering Information

Description	Article Number
PAMIX MCI-1120 Media Converter 2 RJ45 10/100/1000M Ports, Dual Fiber, SCD 1000M Multimode, 850nm, 550 meter	5101031
PAMIX MCI-1120 Media Converter 2 RJ45 10/100/1000M Ports, Dual Fiber, SCD 1000M Single Mode, 1310nm, 20km	5101032
PAMIX MCI-1120 Media Converter 2 RJ45 10/100/1000M Ports, Single Fiber, SC 1000M Single Mode, 1310TX/1550RX, 20km	5101033
PAMIX MCI-1120 Media Converter 2 RJ45 10/100/1000M Ports, Single Fiber, SC 1000M Single Mode, 1550TX/1310RX, 20km	5101034
PAMIX MCI-1120 Media Converter 2 RJ45 10/100/1000M Ports, Single Fiber, SC 1000M Single Mode, 20km, Pair (1310TX/1550RX & 1550TX/1310RX)	5101070
Wall mount installation kit	5101099

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

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