

## MCI-1140 Media Converter 1 Fiber 4 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 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
- 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	4 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	12G bps
Throughput	7.24M bps
Buffer Space	1M
Mac Address	2000
Jumbo Frame	9216 Bytes
Transfer Mode	Store and Forward
Flow Control	Supported
MTBF	100000 Hour
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)
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
Optical Fiber	Multimode fiber : 50/125, 62.5/125, 100/140 μ m Single mode fiber: 8/125, 8.7/125, 9/125, 10/125 μ m
Safety	CE, FCC, RoHS Compliant

### Environment

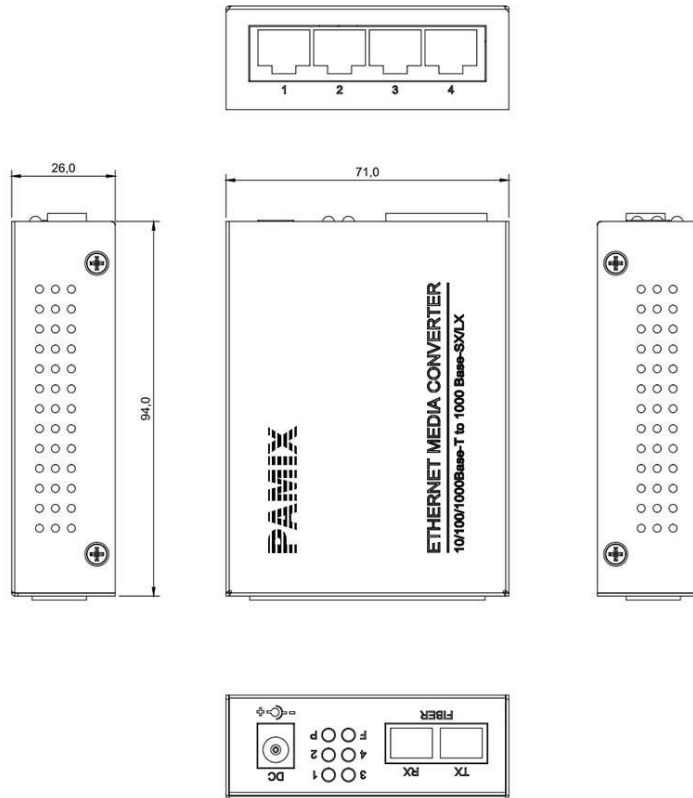
Working Environment	Working Temperature : -20~60° C Storage Temperature : -40~85° C Working Humidity : 10%~90%, non-condensing Storage Humidity : 5%~90%, non-condensing
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### Mechanical

Size	Product Size: 94*71*26mm Metal IP30 enclosure
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### Indicators

LED Indicators	PWR (Power indicator) 1-4 1000M Copper (1000M Network Link & data) 1 1000M Fiber (1000M Network Link & data)
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## Ordering Information

Description	Part Number
PAMIX MCI-1140 Media Converter 4 RJ45 10/100/1000M Ports, Dual Fiber, SCD 1000M Multimode, 850nm, 550 meter	5101041
PAMIX MCI-1140 Media Converter 4 RJ45 10/100/1000M Ports, Dual Fiber, SCD 1000M Single Mode, 1310nm, 20km	5101042
PAMIX MCI-1140 Media Converter 4 RJ45 10/100/1000M Ports, Single Fiber, SC 1000M, 20km. Pair (1310TX/1550RX & 1550TX/1310RX)	5101044
PAMIX MCI-1140 Media Converter 4 RJ45 10/100/1000M Ports, Single Fiber, SC 1000M 1310TX/1550RX, 20km	5101045
PAMIX MCI-1140 Media Converter 4 RJ45 10/100/1000M Ports, Single Fiber, SC 1000M, 1550TX/1310RX, 20km	5101046
Wall mount installation kit	5101099

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

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