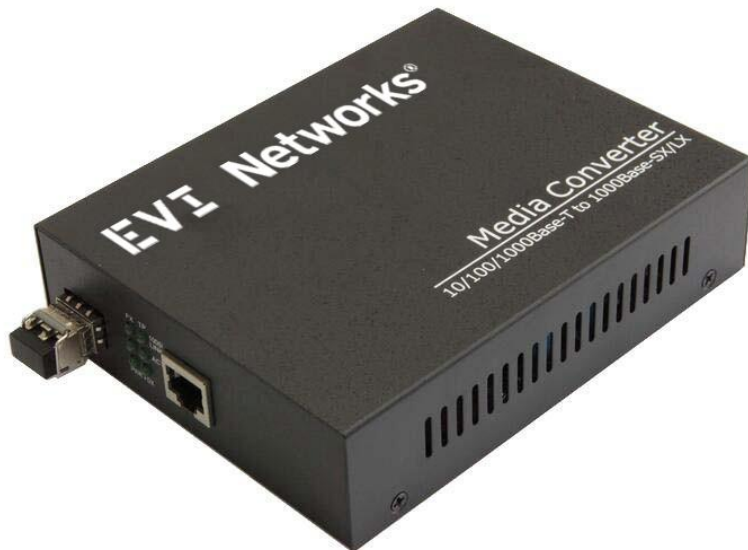


## EVI 10/100/1000M SFP Media Converter

EVI Networks The high-performance media converters provide up to 120KM of transmission over single-mode fiber. The EMCA-1000 series media converters are ideal for campus networks, connecting remote LANs, and facilitating the optical last-mile connection. It provides a cost-effective plug-and-play solution for long-range 10Base-T or 100Base-TX Ethernet extensions and added benefit of 10/100/1000M auto-negotiation, making it the perfect choice when planning future upgrades of 10Base-T networks. Ethernet Fiber converters are ultra-miniature in size and feature a shielded RJ45 Ethernet jack, SFP style fiber-optic connections. Built-in auto-sensing capabilities enable full or half-duplex Ethernet operation with no configuration required.



### Features

- Support inter-conversion between 1000Base-T and 1000Base-SX/LX
  - 100/1000Base-FX auto-sensed
  - Auto-negotiation or Manual mode (10M, 100M & 1000M) at TP port
  - Support full/half duplex and MDI/MDI-X auto-sensed
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## Specifications

Parameter	Specifications
Model	EMCA-1000-1L1S1
Access mode	10/100/1000Mbps
Standard	IEEE802.3 100Base-T Ethernet, IEEE802.3u,1000Base-TX/FX Fast Ethernet, IEEE802.3x Flow Control
Wavelength	850nm/1310nm/1550nm
Transmission distance	Dual-fiber Multi-mode: 550m; Dual-fiber single mode: 20/40/60/80/100/120 km; Category-5 twisted pairs: 100m
Port	One RJ45 port: Connecting STP/UTP category-5 twisted pairs, EIA568A/B One optical port: Multi-mode Dual-fiber: LC (50/125µm or 62.5/125µm) Single mode Dual-fiber: LC or FC (9/125µm)
Conversion means	Store and Forward mode or Cut-Through mode
Buffer space	Built in 128Kb RAM for data buffer
Flow control	Full duplex: flow control; Half duplex: back pressure
BER	$<10^{-9}$
MTBF	100,000 hours
LED indicator	POER (power supply), FX LINK/ACT (optical link action) FDX (full duplex), TX LINK/ACT (TP cable link/action) TX 100 (TP cable rate 100M), FX100(fiber cable rate 100M)
Power supply	External: AC90~264V/DC100~380V input, 12V1A output
Power consumption	<40W (the chassis at full load), < 2W
Operating temperature	-10~55°C
Operating humidity	5%~90%
Maintaining temperature	-10~55°C
Maintaining humidity	5% ~ 90% non-condensing
Dimensions	26mmx 70mm x 95mm