

EM1



FAST ETHERNET MEDIA CONVERTER ETHERNET 10/100TX A 100FX

1 & 2 Fiber Optic.

(-20° a 70°C)



- *Module solution for 10/100BaseTX (Fast Ethernet) to 100FX.*
- *Automatic detection over communication (Full duplex o Half duplex).*
- *Communication bidirectional over 1 or 2 optic fiber.*
- *Versions available for Multimode MM or Monomode SM.*
- *Formats: Rack_Pawal and Standalone/ DIN Rail.*
- *Industrial Temperature Range. Designed for outdoor applications.*

Adilec's Ethernet EM1 Media converter perform conversion and communication between 10/100base_TX and 100Base_FX, thus allowing links up to 4 Km over two MM fibers or up to 30 km over one or two SM fibers.

Incorporate led signal, making easy and fast a complete installation and link verification. Plug & Play design.

Two mechanical solutions available: Rack for Chassis of 19" 3U (PAWAL) and Standalone/ DIN Rail.

Model	Compatible model	Wavelength	Connector	Fiber	Max. loss. ¹
EM1 12N11 EM1 12N16	EM1 12N11 EM1 12N16	1310nm 2 x MM	SC	2x62,5/125 2x50/125	12dB (2Km)
EM1 15N11 EM1 15N16	EM1 16N11 EM1 16N16	1310/1550nm 1 x MM	SC	1x62,5/125 1x50/125	12dB (2Km)
EM1 12M11 EM1 12M16	EM1 12M11 EM1 12M16	1310nm 2 x SM	SC	2x9/125	18dB (40Km)
EM1 15M11 EM1 15M16	EM1 16M11 EM1 16M16	1310/1550nm 1 x SM	SC	1x9/125	12dB (25km)

Formats : 11 = Rack (Pawal) 16 = Standalone/ DIN Rail.

(1) Attenuations: 3dB/Km at 850nm and 1dB Km at 1310nm for 62.5/125. For 9/125 0.4dB/km at 1310nm .

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Electric Parameters:

Signal Type	10/ 100BaseTX
Speed	100Mbps
Operation mode	Full duplex o Half duplex
Current supply	200mA
Power supply system	PAWAL o 12Vcc

Mechanical Parameters:

Dimensions EM11XX11 (rack)	35.5×129×83 mm Sub-chassis 7TE,3U
Weight	470 gr
Dimensions EM11XX16 (standalone)	128x39x83

Environmental Parameters:

MTBF	100.000 hours
Storage temperature range	-55 a 85 °C
Operating temperature range	-20 a 70 °C
Relative humidity	95% without condensation

APPLICATION:

