

ES1



SWITCH 4 PORTS FAST ETHERNET

4 x 10/100TX to 1 x 100Fx

1 and 2 Fiber Optic.

(-20° a 70°C)



- *Switch module with Media Converter Ethernet.*
- *For signals 10/100BaseTX (Fast Ethernet) and autonegotiation.*
- *Automatic communication settings detection (Full duplex and Half duplex).*
- *Bidirectional communication over 1 or 2 optic fibers.*
- *Devices for MM Multimode or SM Singlemode.*
- *Formats available: Rack_Pawal and Standalone/ DIN Rail.*
- *Industrial Temperature Range. Designed for outdoor applications.*

ES1 module family allows to connect up to 5 Ethernet devices to build a local area network, one of them convert and translate from IP to Fiber Optic communication allowing transmissions over long distances and high quality communication.

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
ES1 12N11 ES1 12N16	ES1 12N11 ES1 12N16	1310nm 2 x MM	2XSC	2x62,5/125 50/125	14dB (2Km)
ES1 15N11 ES1 15N16	ES1 16N11 ES1 16N16	1310/1550nm 1550/1310nm 1 x MM	SC	1x62,5/125 50/125	14dB (2Km)
ES1 12M11 ES1 12M16	ES1 12M11 ES1 12M16	1310nm 2 x SM	2XSC	1x9/125	18dB (40km)
ES1 15M11 ES1 15M16	ES1 16M11 ES1 16M16	1310/1550nm 1 x SM	SC	1x9/125	12dB (25km)

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.

ES1

ELECTRIC PARAMETERS:

Signal type	100BaseTX
Speed	10/100Mbps
Operation Mode	Full duplex or Half duplex
Power consumption	250mA
Supply system	PAWAL o 12Vcc

MECHANICAL PARAMETERS:

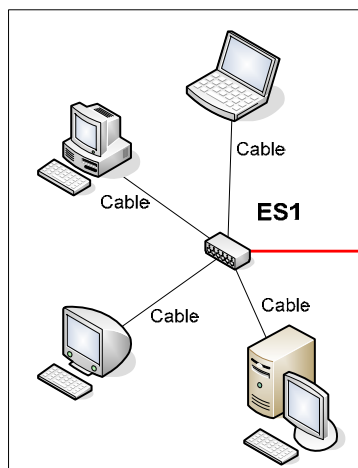
Dimensions ES11XX11 (rack)	35.5×129×160 mm Sub-chassis 7TE,3U
Weight	470 gr
Dimensions ES11XX16 (Standalone)	128x39x160

ENVIRONMENTAL PARAMETERS:

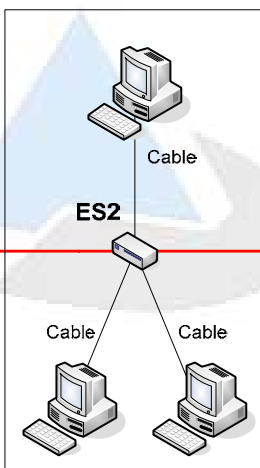
MTBF	100.000 Hours
Storage temperature	-55 to 85 °C
Operating temperature	-20 to 70 °C
Relative humidity	95% without condensation

APPLICATION

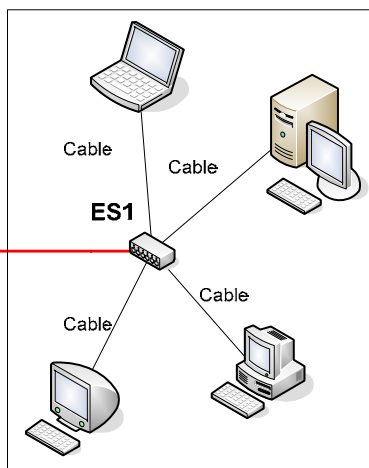
ZONA "A"



ZONA "B"



ZONA "A"



SE PUEDEN
CONECTAR TANTOS
ES2 COMO SE DESEE