



Since 1987, Developed, Created and Made in Spain

EMGC



*MEDIA CONVERTER GIGABIT
ETHERNET 10/100/1000-T TO
1000-X*

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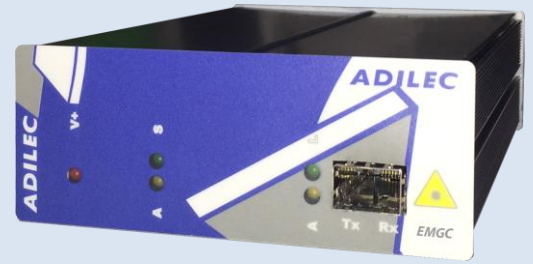


GIGABIT MEDIA CONVERTER

10/100/1000 Base-T to 1000Base-X SFP

1 port SFP

(-40° to 74°C) Industrial Range



- **Media converter GigaBit Ethernet**
- **SFP port 1000Mbps**
- **RJ45 port 10/100/1000Mbps auto-negotiation**
- **Rugged metal case for harsh environments**
- **Industrial Temperature Range (-40°C to 74°C)**
- **Mechanical format: Standalone / DIN rail**

Adilec media converter is designed for point-to-point fiber optic communications and the operation in industrial environments, providing reliability to the Ethernet communications, by mean of optic fiber as well as twisted pair, covering the most market needs.

EMGC switch is supplied with an SFP MSA gigabit port (Multi Source Agreement), providing to the equipment a great connection flexibility. It's very simple to modify the switch, just changing the SFP it allows to use singlemode fiber, multimode, POF plastic fiber (up to 50m), one or two fiber transmission, increase the connectivity length (20km, 40km, 80km, etc), as long as the SFP will be compatible with the SFP MSA standard.

Our products are designed to work with an extended temperature range, from -40°C to 74°C. In addition, its compact design and structural robustness allows an easy installation in any environment.

The equipment are completely transparent to the communications and any configuration is required, just plug and play.

Model	Compatible Models
EMGC8116	Media Converter Gb 10/100/1000Base-T to 1000Base-X SFP Standalone

For SFP port configuration to 100Mbps ask information to our comercial dpt.

SFP Adilec

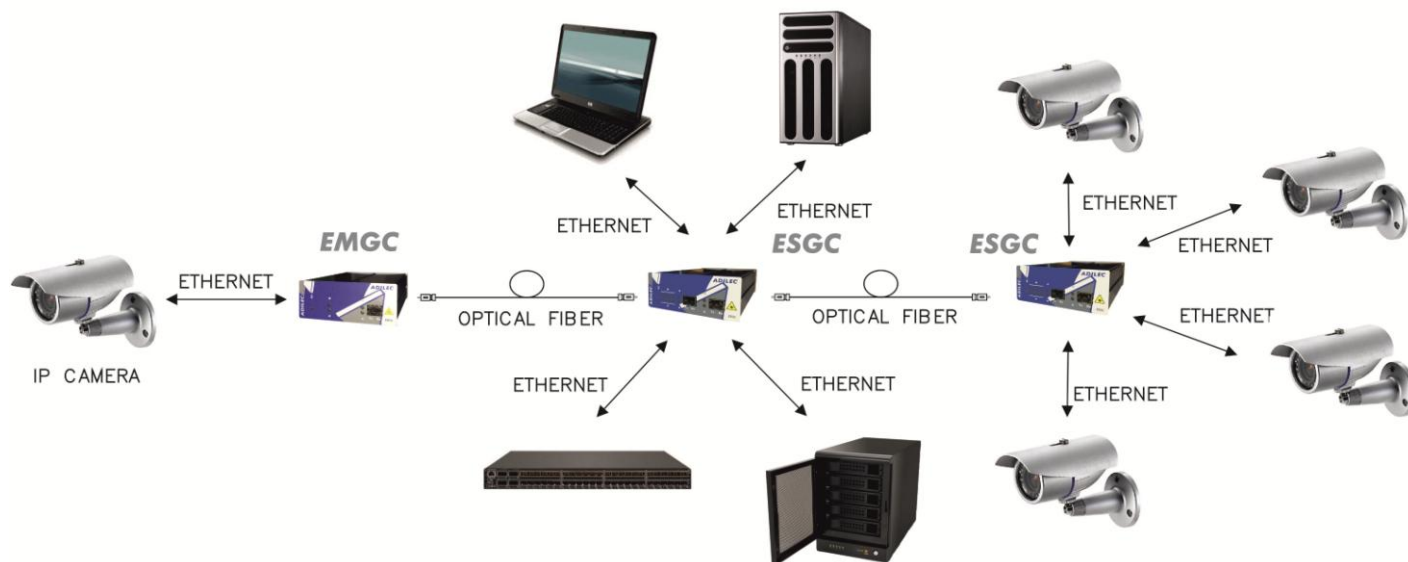
Reference	Description	Compatible Models
AD-SFP2220	SFP Duplex LC/PC 1310nm SM 1.25Gbps 20km -40÷85°C	AD-SFP2220
AD-SFP1520	SFP LC/PC 1310/1550nm SM 1.25Gbps 20km -40÷85°C	AD-SFP1620
AD-SFP1620	SFP LC/PC 1550/1310nm SM 1.25Gbps 20km -40÷85°C	AD-SFP1520

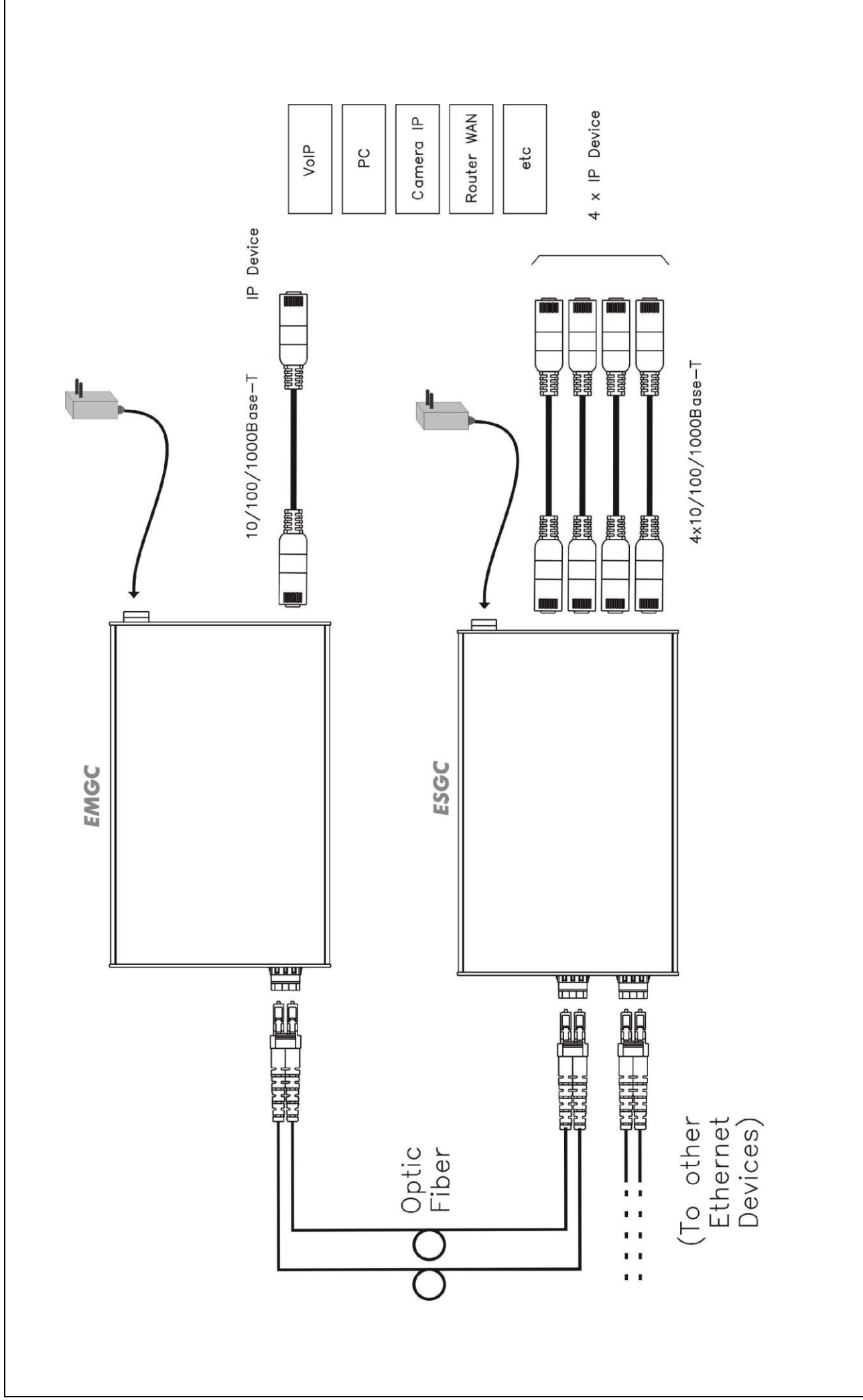
For other distances/speeds ask information to our comercial dpt.

Technical specifications:

Communications	
IEEE Standardars	802.3 10Base-T Ethernet 802.3u 100Base-T FastEthernet 802.3x Full Duplex y flow control 802.3z 1000Base-T Gigabit Ethernet
Interface	
10/100/1000Mbps Auto-Negotiation RJ45 CAT5 100 Ω (Auto MDI/MDIX)	
SFP 1000Mbps MSA (Multi Source Agreement)	
Red LED for Power	
LED's Link/Activity	
Power Supply	
Max. Consumption	180mA/12Vdc
Power supply	12~24Vac/Vdc ± 15%
General	
MTBF	100.000hours
Dimensions ESGC9416	41×106×165 mm
Weight	365 gr
Operating temperature range	-40 to 74 °C
Storage temperature range	-55 to 85 °C
Relative humidity	95% without condensation

Application:



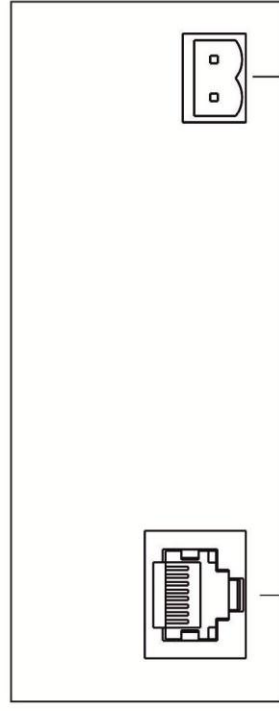


**CONNECTION
EXAMPLE
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Equipments with this scheme:
EMGC8116, ESGC9416

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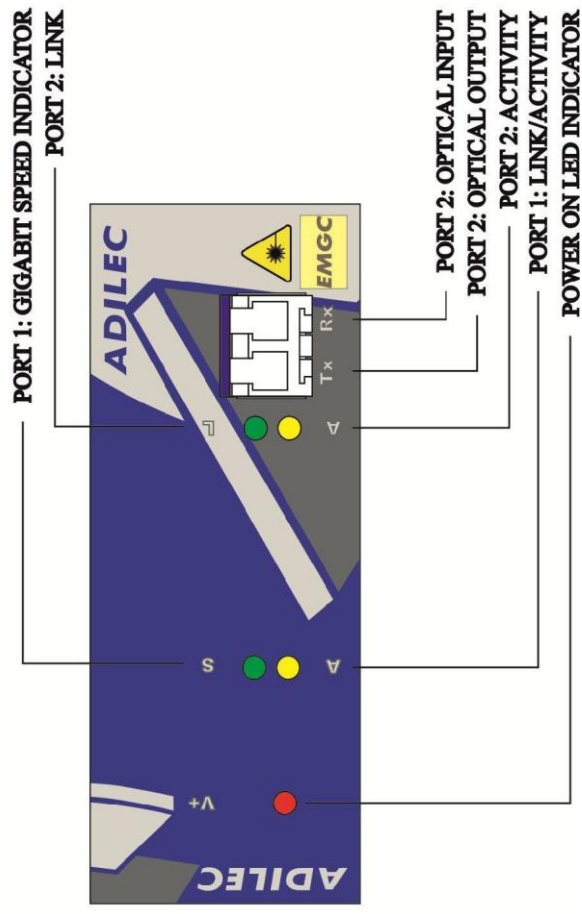
Rear View



PORT 1 CONNECTOR

POWER SUPPLY CONNECTOR

Front View



PORT 1: GIGABIT SPEED INDICATOR
PORT 2: LINK

PORT 2: OPTICAL INPUT
PORT 2: OPTICAL OUTPUT
PORT 2: ACTIVITY
PORT 1: LINK/ACTIVITY
POWER ON LED INDICATOR



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