

ET8181-S/ET161161-S Series

Industrial Rack-mount 8/16-ch 10/100Base-TX to 100Base-FX SFP Ethernet Media Converter



ET8181-S
ET8181-S-RP



ET161161-S
ET161161-S-RP

Features

- ▶ 19" 1U Rack-mount
- ▶ Converts 10/100Base-TX to 100Base-FX SFP
- ▶ RJ45 Port Supports 10/100Mbps-Full/Half-duplex, Auto-negotiation, Auto MDI/MDIX
- ▶ Supports external 100Base SFP
- ▶ AC Power input (Redundant AC Power input for ET8181-S-RP / ET161161-S-RP)
- ▶ -10°C to 60°C (14°F to 140°F) operating temperature



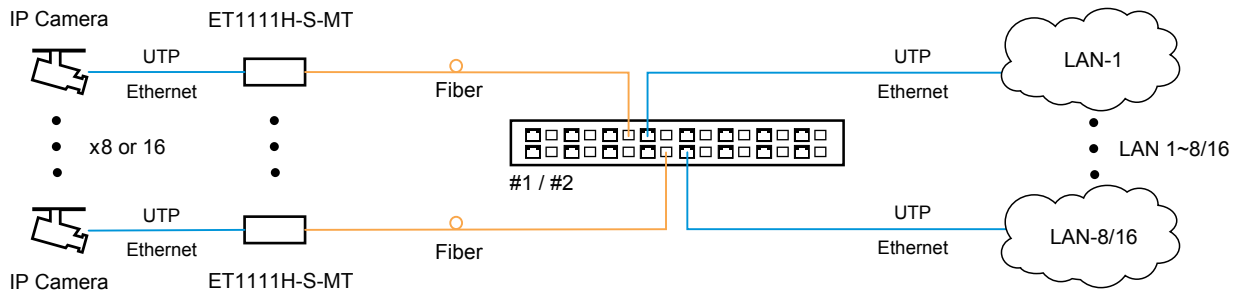
Warranty

- ▶ 5-Year Warranty

Media Converters

Multi-port Media Converters

Typical Application



Specifications

Ethernet

Standards	IEEE802.3 10Base-T IEEE802.3u 100Base-TX/FX
Processing Type	Converter Mode
Forward Filter Rate	14,880pps (10Mbps) 148,800pps (100Mbps)
Packet Buffer Memory	128K bit
Max Packet Length	1600 Bytes

Interface

10 / 100Base-TX	8 ^{#1} / 16 ^{#2} x RJ45
100Base-FX	8 ^{#1} / 16 ^{#2} x SFP

Electrical and Mechanical

Input Power	100~240VAC, 50/60Hz (2 AC inputs for ET8181-S-RP/ET161161-S-RP)
Power Consumption	100mA ^{#1} / 200mA ^{#2} @220VAC
LED Indicators	
Power	Power Status
Ethernet (Per Port)	LINK/Activity, Speed
SFP (Per Port)	LINK
Dimensions (W x D x H)	433 x 250 x 44 mm
Weight	1.5 ^{#1} / 2.0 ^{#2} Kg
Casing	Aluminum Case
Mounting Options	Rack Mount

Specifications

Environmental

Operation Temperature	-10°C to 60°C (14°F to 140°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Relative Humidity	5% to 95% non-condensing
MTBF	> 200,000 hrs

Regulatory Approvals

ISO9001, CE, FCC, RoHS

EMI

EN55022:2010+AC:2011, Class A

EN61000-3-2:2006+A1: 2009+A2:2009

EN61000-3-3: 2013

EN55024:2010

EMS

IEC 61000-4-2:2008(ESD)

IEC 61000-4-3:2010(RS)

IEC 61000-4-4:2012(EFT)

IEC61000-4-5: 2014(Surge)

IEC61000-4-6:2013(CS)

IEC 61000-4-8: 2009 (PFMF)

IEC 61000-4-11: 2004 (Voltage dips/variatio

#1 ET8181-S/ET8181-S-RP

#2 ET161161-S/ET161161-S-RP

Ordering Information

Available Model	Description
ET8181-S	Industrial Rack-mount 8-ch 10/100Base-TX to 100Base-FX SFP Ethernet Media Converter
ET8181-S-RP	Industrial Rack-mount 8-ch 10/100Base-TX to 100Base-FX SFP Ethernet Media Converter, Redundant AC inputs
ET161161-S	Industrial Rack-mount 16-ch 10/100Base-TX to 100Base-FX SFP Ethernet Media Converter
ET161161-S-RP	Industrial Rack-mount 16-ch 10/100Base-TX to 100Base-FX SFP Ethernet Media Converter, Redundant AC inputs

Optional Accessories (to be purchased separately)

SFP (S)=SFP Option. Please select your SFP on our SFP Modules page at the back of the catalogue or our website www.ot-systems.com for details.

Package Checklist

■ Multi-port Media Converter	x 1
■ Power Code, US, UK, EU or AU type on request	x 1
■ Quick Installation Guide	x 1



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Due to continuous improvement, all product specifications are subject to change without further notice.