

ET2281-S-DR Series

Hardened / Industrial Unmanaged 8-port 100Base-FX SFP + 2-port 10/100/1000Base-T/SFP Combo Optical Ethernet Switch



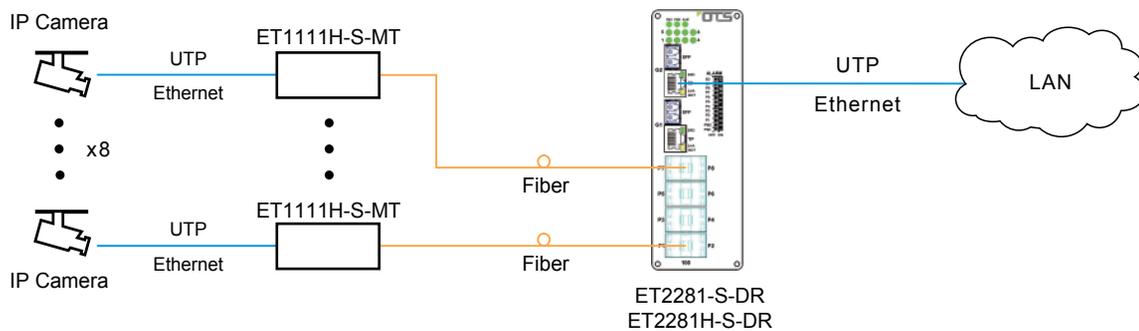
Features

- ▶ 8 100Base-FX SFP + 2 10/100/1000Base-TX/SFP Combo
- ▶ Combo RJ45 Port Supports 10/100/1000Mbps Full/Half-duplex, Auto-negotiation, Auto MDI/MDI-X
- ▶ Supports external SFP
- ▶ Supports 802.3x Flow control
- ▶ Supports 8K MAC address
- ▶ 1M bits frame buffer memory
- ▶ Supports Relay output for Power and Port failure
- ▶ Redundant Power Inputs
- ▶ Supports DIN-Rail and Wall-mount installation
- ▶ Environmentally Hardened
-40°C to 75°C (-40°F to 167°F) operating temperature

Warranty

- ▶ 5-Year Warranty

Typical Application



Specifications

Ethernet

Standards	IEEE802.3 10Base-T
	IEEE802.3u 100Base-TX/FX
	IEEE802.3ab 1000Base-T
	IEEE802.3z 1000Base-X
Processing Type	Store-and-forward
Switch Fabric	5.6 Gbps
Forward Filter Rate	14,880pps (10Mbps)
	148,800pps (100Mbps)
	1,488,000pps (1000Mbps)
Packet Buffer Memory	1M bit
Max. Packet Length	1522 Bytes
Address Table Size	8K MAC Addresses
Connector	2 x RJ45
Optical Port	10 x SFP

Electrical and Mechanical

Input Power	12~48 VDC, Redundant Power (6-pin Terminal Block)
Power Consumption	Max. 7W (System no-load)
	Max. 13W (System Full-load)

Specifications

LED Indicators	
Power	Power Status
Ethernet (Per Port)	LINK/Activity, Speed
SFP (Per Port)	LINK/Activity
Dimensions (W x D x H)	59 × 120.5 × 165 mm
Weight	0.9 Kg
Casing	Aluminum case
Mounting Options	Din Rail, Wall Mount bracket included

Environmental

Operation Temperature	
ET2281-S-DR (Industrial)	-10°C to 60°C (14°F to 140°F)
ET2281H-S-DR (Hardened)	-40°C to 75°C (-40°F to 167°F) (cold startup at -40°C)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Relative Humidity	5% to 95% non-condensing
MTBF	> 300,000 hrs

Regulatory Approvals

ISO9001, CE, FCC, RoHS

EMI

EN55022:2010+AC: 2011, Class A

EN 61000-3-2: 2006+A1: 2009+A2: 2009

EN 61000-3-3: 2013

EN55024:2010

EMS

IEC 61000-4-2: 2008 (ESD)

IEC 61000-4-3: 2010 (RS)

IEC 61000-4-4: 2012 (EFT)

IEC 61000-4-5: 2014 (Surge)

IEC 61000-4-6: 2013 (CS)

IEC 61000-4-8: 2009 (PFMF)

Ordering Information

Available Model	Description
ET2281-S-DR	Industrial Unmanaged 8-port 100Base-FX SFP + 2-port 10/100/1000Base-T/SFP Combo Optical Ethernet Switch
ET2281H-S-DR	Hardened Unmanaged 8-port 100Base-FX SFP + 2-port 10/100/1000Base-T/SFP Combo Optical Ethernet Switch

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.
Power supply	Please refer to the power supply information at the back of the catalogue, our website www.ot-systems.com , or consult OTS sales at sales@ot-systems.com for your power system design properly.

Package Checklist

■ Unmanaged Network Switch	x 1
■ Wall Mount Plates	x 1
■ Din Rail Clip	x 1
■ Quick Installation Guide	x 1



OT Systems Ltd., Oct 2015

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