

ET822MPpH-S-DR

Hardened Managed 8-port 10/100/1000Base-TX (PoE+) + 2-port 100/1000Base-FX SFP Ethernet Switch



Features

- ▶ 8 10/100/1000Base-TX(PoE+) + 2 100/1000Base-FX SFP
- ▶ Support IEEE802.3at PoE+(30W per port)
- ▶ RJ45 Port Supports 10/100/1000Mbps-Full/Half-duplex, Auto-negotiation, Auto MDI/MDIX
- ▶ SFP Slot Supports 100/1000Mbps
- ▶ Supports IGMP v1/v2, up to 256 groups
- ▶ Supports IEEE802.1p Qos and Cos/Tos
- ▶ Supports IEEE802.1Q VLAN, SNMP v1/v2c/v3
- ▶ Web GUI, Serial Console, CLI Command configuration
- ▶ Network Redundancy support: G.8032 ERPS, RSTP, MSTP
- ▶ DIN-Rail and Wall-mount options
- ▶ Redundant Power Inputs
- ▶ -40°C to 75°C (-40°F to 167°F) operating temperature

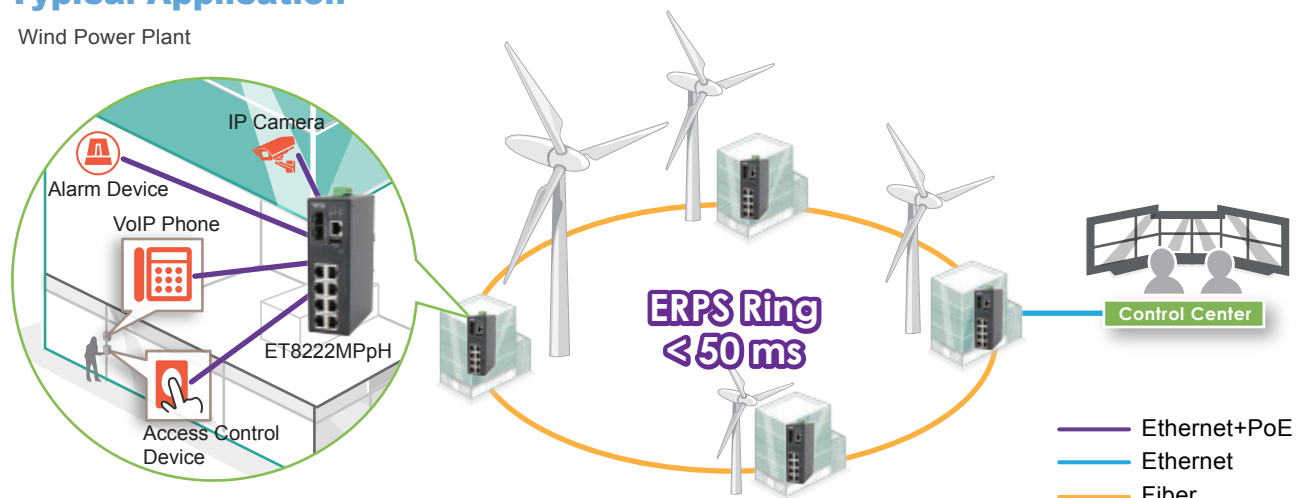


Warranty

- ▶ 5-Year Warranty

Typical Application

Wind Power Plant



Specifications

Ethernet

Standards

- IEEE802.3 10Base-T
- IEEE802.3u 100Base-TX
- IEEE802.3ab 1000Base-T
- IEEE802.3u 100Base-FX
- IEEE802.3z 1000Base-X
- IEEE802.3af/at Power over Ethernet
- IEEE 802.1d STP (Spanning Tree Protocol)
- IEEE 802.1w RSTP (Rapid Spanning Tree Protocol)
- IEEE 802.1s MSTP (Multiple Spanning Tree Protocol)
- ITU-T G.8032 / Y.1344 ERPS (Ethernet Ring Protection Switch)
- IEEE 802.1Q Virtual Local Area Network (VLAN)
- IEEE 802.1ad Stacked VLAN, Q-in-Q
- IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization
- IEEE 802.1X Network Authentication
- IEEE 802.3x flow control, back pressure flow control

Specifications

Protocol	CSMA/CD, IGMP v1/v2, SNMP v1/v2c/v3, TFTP, SNMP, SMTP, RARP, RMON, Syslog
Processing Type	Store-and-Forward
Forward Filter Rate	14,880pps (10Mbps) 148,800pps (100Mbps) 1,488,000pps (1000Mbps)
Packet Buffer Memory	4 Mbit
Max Packet Length	9.6 Kbytes
Address Table Size	8K MAC Addresses

Interface

RJ45 Ports	8 x 10/100/1000 Mbps, Auto-MDI/MDI-X, Auto-negotiating, Full/Half-Duplex
SFP Port	2 x 100/1000Base SFP slots, LC

Electrical and Mechanical

Input Power	Redundant Input Terminals (6-pin Terminal Block)
Input voltage range	48-55 VDC
Power Consumption	Max. 15W without PD loading Max. 255W with PD loading
PoE	
Standard	IEEE802.3at
Port	RJ45 Port 1 ~ Port 8
Per Port Power	30W (Alternative A Mode)
Total PoE output power budget	240W
LED Indicators	
Power	Power 1, Power 2, Fault
Ethernet (Per Port)	Link/Active
SFP (Per Port)	Link/Active
PoE	Supplying Power to PD
Dimensions (W x D x H)	46 x 98 x 142 mm
Weight	1.3 Kg
Casing	IP30 Metal Case
Mounting Options	DIN-Rail / Wall Mount

Software Features

Network Redundancy

STP/RSTP/MSTP, Port Trunk with LACP, ERPS (<50ms)

Configuration

Web-base, Telnet, Console, Cisco-like CLI, TFTP, SSH, SSL, SNMP v1/v2c/v3, RMON, USB

Software Features

Qos-Cos, ToS/Diffserv mapping, SPQ/WRR queuing

802.1Q VLAN and 802.1ad Q-in-Q provider bridge

IGMP/MLD Snooping, IGMP/MLD query

DHCP Client/Server/Relay with Option 82

Internet Protocol Version 6 (IPv6)

Port Status, Statistics, Monitoring, Security, and Rate Limiting, SFP DDM

PoE Status, Monitoring, Ping Alarm, Scheduling

Port Mirror, uPnP, Modbus/TCP

Security Features

MAC based port security, static MAC address

Access Control List(ACL), 802.1X authentication, RADIUS

SNMP v3 encrypted authentication and access

Environmental

Operating Temperature	-40°C to 75°C (-40°F to 167°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Relative Humidity	5% to 95% non-condensing
MTBF	> 200,000 hrs

Specifications

Regulatory Approvals

ISO9001, CE, FCC, RoHS	Free Fall
EMI	IEC60068-2-32
FCC Part 15 Subpart B Class A	Shock
EN55022:2010+AC: 2011, Class A	IEC60068-2-27
EMS	Vibration
IEC 61000-4-2: 2008 (ESD)	IEC60068-2-6
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
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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

■ Managed PoE Switch	x 1
■ Wall Mount brackets and screws	x 2
■ User manual CD	x 1
■ RJ45 to DB9 Serial Console cable	x 1
■ 18AWG & DC jack 5.5x2.1mm DC cable	x 1