

## 8GE+2GE SFP Management DIN-Rail Industrial PoE Switch

Model: PS2802SFG-I-BT



Managed 4GE + 2 SFP DIN-Rail Industrial PoE Switch With Up To 90W PoE, IEEE802.3af/At/Bt Support, Layer 2 Management, VLAN/QoS, SNMP, And Surge Protection — Ideal For Outdoor CCTV, Industrial Networks, And Automation.

- 8GE + 2GE SFP managed DIN-rail industrial PoE switch | total PoE power up to 90W
- Ports 1–8 support PoE / PoE+ (IEEE 802.3af/at); Ports 1–2 support PoE++ 90W (IEEE 802.3bt)
- Non-blocking architecture with Marvell chipset, DIN-rail mount, DC 48–58V wide voltage input
- Power surge protection: 6KV / 6KV; Ethernet port surge protection: 4KV / 4KV
- Web / SNMP management; VLAN, QoS, RMON, LLDP, IGMP Snooping, Port Mirroring, QinQ, Link Aggregation, DDM, ACL, SSH
- IPv4 / IPv6 management; DHCP, NTP, FTP, TFTP, Telnet, Ping, Traceroute; RSTP, MSTP, ERPS ring network; 802.1X / RADIUS; Remote PoE power-off alarm; IPv4 / IPv6 static routing

## Provider Mode Ports

Model	PS2802SFG-I-BT
Fixed port	2*1000 Base-X, 8*10/100/1000 Base-T
Management Port	Support Console
Power interface	Phoenix terminal, dual power input
LED Indicators	PWR, Link/ACT LED

## Cable Type & Transmission Distance

Twisted-pair	0-100m (CAT5e,CAT6)
Monomode optical fiber	20/40/60/80/100KM
Multimode optical fibre	550m

## Network Topology

Ring topology	Support
Star topology	Support
Bus topology	Support
Tree Topology	Support
Hybrid topology	Support

## Electrical Specifications

Input voltage	PoE: DC48-58V
Total Power consumption	PoE<250W

## PoE Support (optional)

PoE port	1-8
PoE Protocol	802.3af, 802.3at
Pin Assignment	1,2+,3,6-
PoE Management	Support

## PoE ++ Support (optional)

PoE++ port	1-2
PoE Protocol	802.3af, 802.3at, 802.3bt(1-2 Support)
Pin Assignment	1245+ 3678-
PoE Management	Support

## Layer 2 Switching

Switching capacity	36G
Packet forwarding rate	26.78Mpps
MAC address table	16K
VLAN	Support 4K
Buffer	12M
Forwarding delay	<10us
MDI/MDIX	Support
Flow control	Support
Jumbo Frame	Support 10Kbytes
Spanning Tree	Support STP/RSTP/MSTP
Ring Protocol	Support ERPS
Link Aggregation	Support 12 group
Multicast	Support IGMP Snooping
Port Mirroring	Support SPAN and RSPAN
Port loopback detection	Support
Storm Control	Support
Interface Counters	Support
QINQ	Support
802.1X	Support
MAC Authentication	Support
Port Isolation	Support
RMON	Support
NTP Client	Support
DHCP Client	Support
DHCP snooping	Support
Ping/tracert test	Support
Dying gasp	Support
DDM	Support
Port security	Support
IP Source Guard	Support
Device scanning	Support

## Layer 3 Function

IPv4 static routing/IPv6 static routing	Supports 256 static routes
ARP	ARP table entry aging
DHCP server	support

## Convergence

ACL	Supports 240 ACL entries; Support IP standard ACL/ACLv6; Support MAC extension ACL/ACLv6; Support IP extension ACL/ACLv6; Support L4 layer ACL
QoS	Support QoS re-marking, priority mapping Support SP, WRR queue scheduling Support ingress rate-limited, egress rate-limit Support Policy-based QoS

## Management

CLI	Support
Console	Support
Management IP	Support IPv4/IPv6
Telnet/SSH	Support
WEB management	Support
SNMP	Support SNMPv1/v2c/v3
User Management	Support
User Rights Management	Support
System Log	Support
Configuration File Download/Upload	Support
Upgrade Firmware	Support

## Environment

Operating temperature	-40°C~+85°C
Storage temperature	-40°C~+85°C
Relative humidity	5%~95% (non-condensing)
Thermal methods	Fanless, natural cooling
MTBF	100,000 hours

## Mechanical Dimensions

Product size	48X104X143mm
Installation Method	DIN-rail
Weight	0.58KG

## EMC&INGRESS PROTECTION

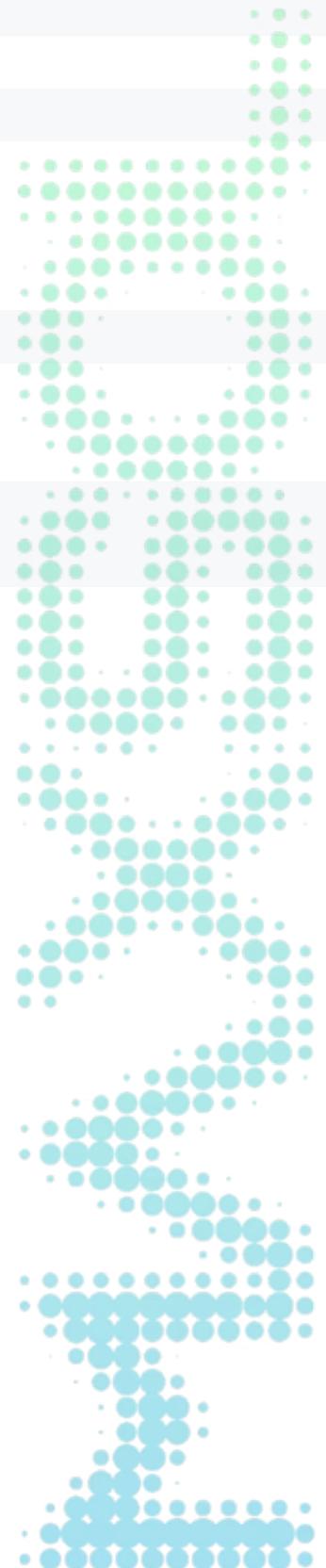
IP Level	IP40
Surge protection of Power	IEC 61000-4-5 Level X (6KV/6KV) (8/20us)
Surge protection of Ethernet port	IEC 61000-4-5 Level 4 (4KV/4KV) (10/700us)
RS	IEC 61000-4-3 Level 3 (10V/m)
EFI	IEC 61000-4-4 Level 3 (1V/2V)
CS	IEC 61000-4-6 Level 3 (10V/m)
PFMF	IEC 61000-4-8 Level 4 (30A/m)
DIP	IEC 61000-4-11 Level 3 (10V)
ESD	IEC 61000-4-2 Level 4 (8K/15K)
Free fall	0.5m

## Authentication

Authentication	CE/FCC/RoHS
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## Accessories

Accessories	Device, Terminals, Specification, Certificate Adapter(optional)
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