4GE+2GE SFP Management DIN-Rail Industrial PoE Switch
Model: PS2402SFG-I-BT

Managed 8GE + 2GE SFP DIN-Rail Industrial PoE Switch With IEEE802.3af/At/Bt Support, Web/SNMP Management, VLAN/QoS, Surge Protection, And Wide Voltage Input — Ideal For Outdoor CCTV And Industrial Automation Networks.

- 4GE + 2GE SFP managed DIN-rail industrial PoE switch | total PoE power up to 90W
- Ports 1–4 support PoE / PoE+ (IEEE 802.3af/at); Ports 1–2 support PoE++ 90W (IEEE 802.3bt)
- Non-blocking architecture with Marvell chipset, DC 48–58V wide voltage input
- 6KV power surge protection & 4KV Ethernet port protection
- Web / SNMP management, VLAN, QoS, LLDP, IGMP Snooping, RSTP / MSTP / ERPS, 802.1X / RADIUS
- IPv4 / IPv6 management, DHCP, NTP, FTP, TFTP, Telnet, Ping, Traceroute, remote PoE power-off alarm

Provider Mode Ports

Model	PS2402SFG-I-BT
Fixed port	2*1000 Base-X，4*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<130W

PoE Support (optional)

PoE port	1-4
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 engress 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℃~+85℃
Storage temperature	-40℃~+85℃
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

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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

Accessories

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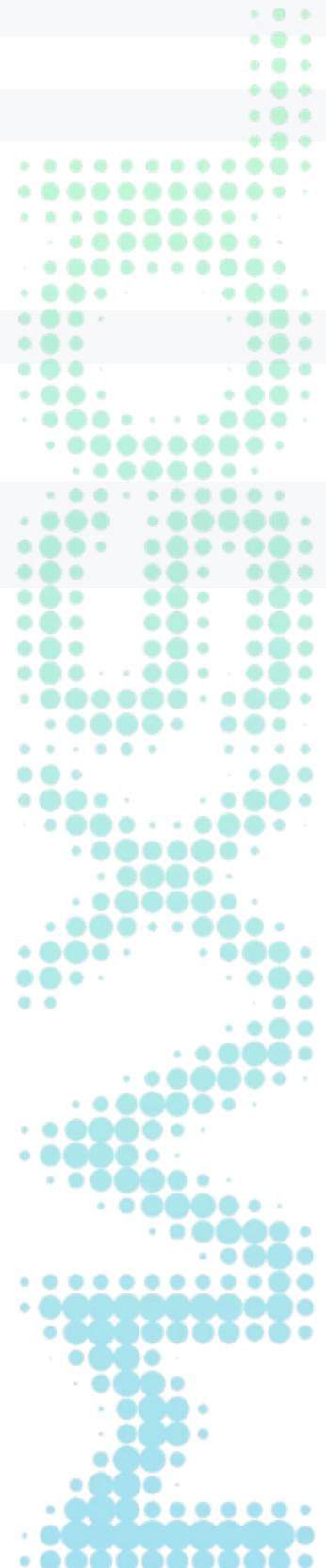
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