Industrial 24 ports gigabit (4*10G SFP uplink) layer-3 switch
(-40℃-75℃ ,fanless)

PO7624GE-IE

- Provide 24 10/100/1000Base-T RJ45 ports,4* 1000/10G uplink SFP slots ;
- Provide layer 3 network management,Supports static layer 3 routing ;
- Redundant power supply:support 3 power input,2 DC power and 1 AC power;
- 2x Digital input and 2x digital oPOut for external alarm;
- Support fast ring ,Self-healing in 20ms Min.
- Support industrial Level-4 protection,ESD,surge,EFT;
- -40℃-75℃ Working temperature without fan to dissipate heat (no noise);
- 19-inch rack-moutable design.

Introduction

PO7624GE-IE is a industrial layer-3 managed Switch,feature 24 10/100/1000base-T ports and 4 1000/10Gbase-X SFP ports,support static layer-3 routing in a 1U case.With a total switch fabric of 128Gbps,the switch can handle large amount of data in a secure topology linking to high capacity servers. The switch can work in the temperature range from -40℃-75℃ without any packets loss and it have not any fan to cooling.

AC and DC redundant power supply

The switch has a 100~240V AC power supply and dual DC 36~60V power supply utilized as redundant power supply.

Digital input and digital oPOut for alarm system

Digital oPOut has 2 groups,it can be seted for the alarm of the switch: power failure,cable link down&PoE link off.

Digital input has 2 groups, it is used to detect external alarm such as infrared detector.

The digital input and oPOut can be operation on web management.

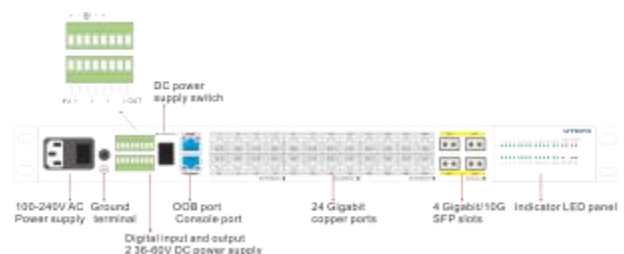**Excellent protection and adaptive capacity for various environment**
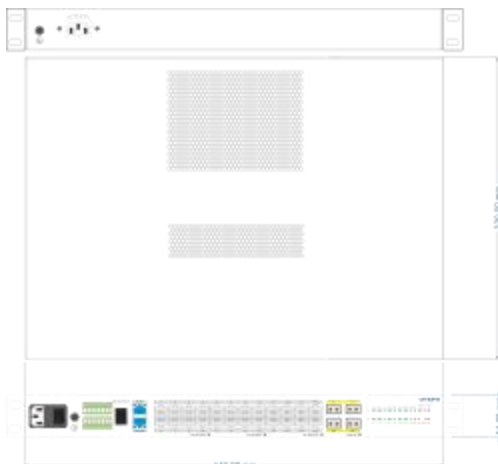
Working temperature : -40℃-75℃ ;

Surge protection : level-4 (6KV) IEC61000-4-5

ESD protection : level-4(8KV contact/15KV air) IEC61000-4-2

Physical feature

Interface drawing

Specification

Hardware Specifications :

Item	PO7624GE-IE
Copper ports	24*10/100/1000 Base-T RJ45
10G SFP+ slots	4*1000/10G Base-X SFP+
Console port	1*RJ45-R232 serial port(115200,8,N,1) only to CLI management
OOB port	1*10/100Base-TX RJ45(only to web management) Default IP:192.168.1.200 name:admin password:admin
Init key	Short press restart >5s press recovery to default
Power supply-AC	1* AC 100~240V 50/60Hz
Power supply-DC	2*DC DC36~60V
Power consumption	30W
Digital input and oPOut	2* digital input for exteral alarm 2*digital oPOut for the switch power failure,cable link down&PoE link off; signal type: normal-open or normal-closed from relay
Switch standard	IEEE802.3 、IEEE802.3u、IEEE802.3ab、IEEE802.3Z、IEEE802.3X、 IEEE 802.1Q IEEE 802.1p IEEE 802.3ad 、 IEEE 802.1D、IEEE 802.1X
Switch fabric	128Gbps / non-blocking
Throughput	95.2Mpps@64 bytes
Switch architecture	Store-and-Forward
Shared data buffer	4Mbit
MAC table	16K
Jumbo frame	9K bytes
EMI	FCC part 15,CISPR(EN55022) classA
EMS	Surge level-4 execute : IEC61000-4-5 ESD level-4 execute : IEC61000-4-2 RS level-4 execute : IEC61000-4-3 EFT level-4 execute : IEC61000-4-4 CS level-3 execute : IEC61000-4-6 M/S level-5 execute : IEC61000-4-8
Working temperature	-40-75℃
Storage temperature	-40-85℃
Humidity	5%-95%(non-condensing)
Dimension（L×W×H）	442mm×320mm×44mm
Net weight	4.5kg
Regulatory compliance	CE、FCC、ROHS

Management feature：

Ports management	Support port enabling and disabling
	Support port speed settings
	Support port full-duplex mode
	Support IEEE802.3x flow control
	Support Jumbo Frame
	Support port name modification
VLAN	Support of 4K VLAN
	support 802.1Q VLAN protocol
	support QINQ
	support GVRP active VLAN register
	Support VLAN based on port\protocol\MAC
Alarm	Digital input an digital oPOut can be set in web management

QoS	Support COS classification base on 802.1p
	support QoS base on DSCP
	Support 8 priority queues
	Queue scheduling: SP, WRR, SP+WRR
	Support 802.1p CoS/DSCP priority
Multi-brocast	Support SNMPV1 / V2 / V3 protocols
	Support IGMP Snooping
	support MLD-snooping
Security feature	Supports IP, MAC, port, VLAN binding combinations
	Support MAC address auto-learning, aging and filtration
	Support port isolation, port speed limit
	Support STP \ RSTP \MSTP , Fast-Ring
	Support 5 groups of link aggregation
	support LLDP ,Smart-Link ,DLDP
	Support 802.1X
ACL	support base on source-MAC、target-MAC、protocal-classify、source-IP、target-IP、L4 ports-number
	support time-range management
System management	Web-based GUI and CLI management
	Support FTP / TFTP / HTTP load upgrade
	Support traffic statistics
	Support MAC address table query
	Support IP address, DNS server modifications
	Support user name and password modification
	Support for history, log management
	Support System Configuration Backup
	Support to recover the default factory settings on reboot

L3 management	support IPV4 static route setup
	support RIP V1/2 on IPV4
	support OSPF V1/V2
	support ISIS on IPV4
	support BGP on IPV4
	Support static ARP Add,delete,burn-in time sutup/check
	Support static NDAdd,delete,burn-in time sutup/check
	Support VRRP V1/2/3 virtual redundant route protocol
	Support group-brocasting PIM,IGMP V1/V2/V3,MLD(IPV4)
	Support DHCP client,server
	Support relay repeater,DHCP snooping
	Support duplex transfer check mechanism

Packaging list ——————————————————

Item	Qty
Switch	1 pc
hanger	1 pair
AC power cable	1 pc
User manual	1 pc

Ordering information ———————————

Item	model
Industrial 24 ports gigabit (4*10G SFP uplink) layer-3 switch	PO7624GE-IE