



POE Industrial Switch

PIES1028G-24G-4GS

Managed Industrial 24-port 10/100/1000T 802.3at PoE + 4-port TP/SFP Combo Ethernet



➤ Features

- 100/1000BASE-X mini-GBIC/SFP slots for SFP type auto detection
- 24x10/100/1000Base-TX RJ45 ports, 4 xTP/SFP Combo ports
- Support Auto-MDIX, and full/half duplex self-negotiation mode
- Support 10K bytes giant frame, compatible with various extension protocol
- 8K MAC address table
- Support IEEE802.3az energy efficient Ethernet technology
- Support IPv6 Protocol
- Electric 8KV surge protection, easy to use in outdoor environment
- Complete status indicator, working state at a glance
- Power input polarity protection design, no worry about wrong operation
- Metal case, no fan design
- Installation method: Rack mounting

➤ Introduction

PIES1028G-24G-4GS is a new generation industrial Power over Ethernet Managed Ethernet switch with 24-Port 10/100/1000Base-T 802.3at PoE+ and 4-Port TP/SFP with 2 Combo that provide stable and reliable Ethernet transmission offered by E-link, with high quality design and reliability. It is positioning in the broadband network intervention market, to offer and realize Ethernet data exchange, convergence and long-distance optical transmission with efficient bandwidth and reliable fiber optic network solutions for users. The industrial switch complies with various characteristics such as mini size, no fan, low power consumption, high reliability and stability, and easy to maintain.

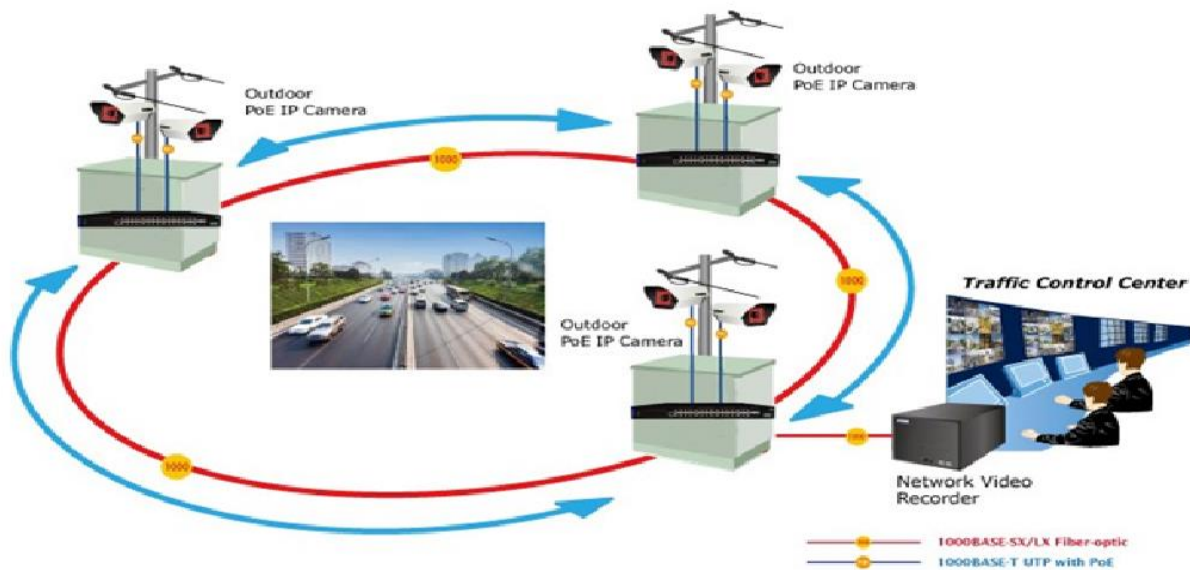
With dual power input design, PIES1028G-24G-4GS can offer redundant mechanisms for critical applications that need always-on connections. It can also operate either at standard operating temperature range -40 to 80°

C. Housed in rugged DIN rail or wall mountable IP40 enclosures, these switches are perfect choices for harsh environments, such as industrial networking, intelligent transportation systems (ITS) and are also suitable for many military and utility market applications where environmental conditions exceed commercial product specifications.



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➤ Specification

Physical Port	
RJ45 port and speed	24x10/100/1000Base-TX 802.3at PoE+4 Combo 10/100/1000Base-TX
Fiber port and speed	4x100/1000Base-FX SFP (Dual Mode, Auto Detection)
Parameters	
Ethernet standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX/100BASE-FX IEEE 802.3z Gigabit SX/LX IEEE 802.3ab Gigabit 1000T IEEE 802.3x flow control and back pressure IEEE 802.3az Energy Efficient Ethernet IEEE 802.3ad port trunk with LACP IEEE 802.3ah Configuring Ethernet OAM IEEE 802.1D Spanning Tree Protocol IEEE 802.1x Port Authentication Network Control IEEE 802.1Q VLAN tagging IEEE 1588
Packet buffer	4Mbits
Maximum packet length	Up to 10K Bytes


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MAC address table	8K
Transmission mode	Store and Forward (full/half duplex mode)
Exchange property	Delay time: < 7 μ s Backplane bandwidth: 56 Gbps Packet forwarding rate: 148810 (64Byte)
PoE	
PoE Standard	24 x IEEE 802.3af /IEEE 802.3at PoE
Power budget	Max. PoE output power budget 30W
LED Indicator	
Power	Connect-always
RJ45	Link/Act: connect-always; Data exchange-twinkle Speed light: 100Mbps-always; 10Mbps-twinkle
Fiber	Link/Act: connect-always; Data exchange-twinkle
Power Information	
Power access mode	Phoenix terminal
Redundant power input	DC 48-57V
Overload protection	Yes
Power reverse	Support
Power consumption	Full-load<15W (Not use PoE)
Physical Property	
Protection grade	IP40 aluminum case
Cooling mode	Natural cooling, no fan design
Dimensions	440mm x 305mm x 45mm (L x W x H)
Installation mode	Rack Mounting
Weight	2.5KG
Working Environment	
Operating Temperature	-40 $^{\circ}$ C~80 $^{\circ}$ C
Operating Humidity	5%~90% non-condensing
Storage Temperature	-40 $^{\circ}$ C~85 $^{\circ}$ C

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Warranty	
MTBF	500,000 hours
Defects Liability Period	5-Year warranty, lifetime technical support
Certification Standard	
EMI	FCC Part15 Subpart B Class A, EN 55022 Class A
EMS	EN61000-4-2(ESD), EN61000-4-3(RS), EN61000-4-4(EFT), EN61000-4-5(Surge), EN61000-4-6(CS), EN61000-4-8, EN61000-4-11
Collision	IEC60068-2-27
Drop	IEC60068-2-32
Vibration	IEC60068-2-6
Safety grade	EN60950-1
Software	
Software Features	Redundant network: STP, EAPS/ERPS
	Multicast: IGMP Snooping V1/V2/V3, GMRP
	VLAN: IEEE 802.1Q 4K VLAN, QINQ
	Link Aggregation: manual / static / LACP
	QOS: COS, DSCP, 8 queues, WRR/SP/WFQ scheduling, QOS Policy
	Management Function: CLI/WEB/SNMP, and Primestone NIS management system
	Diagnostic Maintenance: Port mirroring, Syslog, Ping
	Alarm management: 1 way relay alarm output, RMON, SNMP Trap
	Security DHCP Snooping, Option 82, 802.1X, User hierarchical management, ACL,DDOS, port based MAC filtering / binding
	Data control: Port-based ingress/egress speed limit, Full duplex IEEE 802.3x, half duplex back-pressure flow control. Broadcast storm suppression, Unknown-Multicast suppression and Unknown-Unicast suppression.

**Order Information:**

Model	Description
PIES1028G-24G-4GS	Industrial Managed 24-Port 10/100/1000Base-T PoE + 4-Port TP/SFP Ethernet Switch
SFP Options	▶ SFP option. Please select your SFP on our SFP Options Page
	▶ SFP module is to be purchased separately.
Mounting Options	▶ Rack Mounting Installation
Power Options	▶ 480W/10A 48VDC DIN-Rail Power Supply. Open Wire for Terminal Block
	▶ Power Supply is to be purchased separately.