



## DESCRIPTION

### Advanced Manageable PoE Solution for Hardened Environment

PLANET IGS-5225-8P4S L2+ Industrial Managed PoE+ Switch, featuring 8 10/100/1000BASE-T 802.3at PoE+ ports with each port powering up to 36 watts, and 4 100/1000X fiber ports in an IP30 rugged metal case, can be installed in any difficult environment. It provides user-friendly yet advanced IPv6/IPv4 management interfaces, abundant L2/L4 switching functions, Layer 3 static routing capability, and advanced ITU-G.8032 ERPS Ring technology to improve the rapid self-recovery capability and PLANET intelligent PoE functions for controlling the PoE outdoor IP surveillance and wireless network applications. It is able to operate reliably, stably and quietly in the temperature range from -40 to 75 degrees C.

### Cybersecurity Network Solution to Minimize Security Risks

The new generation of IGS-5225-8P4S has the cybersecurity feature to protect the switch management and enhance the security for mission-critical network without extra deployment cost and effort. The new IGS-5225-8P4S expands its memory and upgrades the kernel of SSH and SSL protocols to provide strong protection against advanced threats. It includes a range of cybersecurity features such as DHCP Snooping, IP Source Guard, ARP Inspection Protection, 802.1x port-based and MAC-based network access control, RADIUS and TACACS+ user accounts management, SNMPv3 authentication, and so on to complement it as an all-security solution. The network administrator can now construct highly-secure corporate networks with considerably less time and effort than before.

### Redundant Ring, Fast Recovery for Critical Network Applications

The IGS-5225-8P4S supports redundant ring technology and features strong, rapid self-recovery capability to prevent interruptions and external intrusions. It incorporates advanced ITU-T G.8032 ERPS (Ethernet Ring Protection Switching) technology, Spanning Tree Protocol (802.1s MSTP), and redundant power input system into customers industrial automation network to enhance system reliability and uptime in harsh factory environments. In a simple Ring network, the recovery time of data link can be as fast as 20ms.

### High Power PoE for Security and Public Service Applications

To fulfill the demand of High Power PoE for network applications with Gigabit speed transmission under wide temperature, the IGS-

IGS-5225-8P4S provides 8 10/100/1000Mbps ports featuring IEEE 802.3at Power over Ethernet Plus (PoE+) that combines up to 36-watt power output and data per port over one Cat5E/6 Ethernet cable. As the whole system comes with a total 240-watt PoE budget, the IGS-5225-8P4S is designed specifically to satisfy the growing demand of higher power consuming network PDs (powered devices) such as multi-channel (802.11a/b/g/n) wireless LAN access points, PTZ (pan, tilt, zoom)/speed dome network cameras and other PoE network devices, doubling that of the current conventional 802.3af PoE.

#### Convenient and Smart ONVIF Devices with Detection Feature

PLANET has newly developed an awesome feature -- ONVIF Support -- which is specifically designed for co-operating with video IP surveillances. From the IGS-5225-8P4S GUI, clients just need one click to search and show all of the ONVIF devices via network application. In addition, clients can upload floor images to the switch series, making the deployments of surveillance and other devices easy for planning and inspection purposes. Moreover, clients can get real-time surveillances information and online/offline status; the PoE reboot can be controlled from the GUI.

#### Intelligent Alive Check for Powered Device

The IGS-5225-8P4S PoE Switch can be configured to monitor connected PDs status in real time via ping action. Once the PD stops working and responding, the IGS-5225-8P4S will recycle the PoE port power and bring the PD back to work. It also greatly enhances the reliability in that the PoE port will reset the PD power, thus reducing administrators management burden.

#### PoE Schedule for Energy Saving

Under the trend of energy saving worldwide and contributing to environmental protection on the Earth, the IGS-5225-8P4S can effectively control the power supply besides its capability of giving high watts power. The built-in PoE schedule function helps you to enable or disable PoE power feeding for each PoE port during specified time intervals and it is a powerful function to help SMBs or enterprises save power and money.

#### Scheduled Power Recycling

The IGS-5225-8P4S allows each of the connected PoE IP cameras or PoE wireless access points to reboot at a specific time each week. Therefore, it will reduce the chance of IP camera or AP crash resulting from buffer overflow.

#### SMTP/SNMP Trap Event Alert

The IGS-5225-8P4S provides event alert function to help to diagnose the abnormal device owing to

## TECHNICAL CHARACTERISTICS

Brand : PLANET

Part number : IGS-5225-8P4S

#### Réseau :

Full duplex : Y

Auto MDI/MDI-X : Y

#### Design :

Certification : FCC Part 15 Class A, CE IEC60068-2-32 (free fall) IEC60068-2-27 (shock) IEC60068-2-6 (vibration)

10G support : N

Access Control List (ACL) : Y

Access Control List (ACL) rules : 123

ARP inspection : Y
Authentication : MAC-based authentication
Authentication type : IEEE 802.1x, RADIUS
Basic switching RJ-45 Ethernet ports quantity : 8
Basic switching RJ-45 Ethernet ports type : Gigabit Ethernet (10/100/1000)
Console port : RJ-45
Copper ethernet cabling technology : 10BASE-T, 100BASE-TX, 1000BASE-T
DC input voltage : 48 - 56 V
Depth : 107.3 mm
DHCP features : DHCP snooping, DHCP relay
DIN rail mounting : Y
Fiber ethernet cabling technology : 100BASE-FX
Fiber optic connector : SFP
Flow control support : Y
Half duplex : Y
Harmonized System (HS) code : 85176990
Heat dissipation : 872.62 BTU/h
Height : 152 mm
IGMP snooping : Y
International Protection (IP) code : IP30
IP routing : Y
IP-MAC-Port binding : Y
Jumbo frames : 9000
Jumbo frames support : Y
LED indicators : LAN, PoE, Power
Link aggregation : Y
Loop protection : Y
MAC address auto-aging supported : Y
MAC address auto-learning supported : Y
MAC address table : 8000 entries
Multicast support : Y
Networking standards : IEEE 1588v2, IEEE 802.1D, IEEE 802.1Q, IEEE 802.1ab, IEEE 802.1ad, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3, IEEE 802.3ab, IEEE 802.3ad, IEEE 802.3af, IEEE 802.3at, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z
Number of queues : 8
Number of static routes : 32
Number of VLANs : 4094
Operating relative humidity (H-H) : 5 - 95%
Operating temperature (T-T) : -40 - 75 °C
Packet buffer memory : 4 MB
Port mirroring : Y
Power consumption (max) : 255.9 W
Power over Ethernet (PoE) : Y
Power over Ethernet (PoE) power per port : 36 W
Power over Ethernet plus (PoE+) ports quantity : 8
Product colour : Blue, Silver
Quality of Service (QoS) support : Y
Reset button : Y
Security algorithms : SNMP, SNMPv3, SSH, SSL/TLS
SFP module slots quantity : 4
Spanning tree protocol : Y
SSH/SSL support : Y
Static route : Y
Storage relative humidity (H-H) : 5 - 95%

Storage temperature (T-T) : -40 - 85 °C

Surge protection : Y

Surge protection voltage : 5 kV

Switch layer : L2+

Switch type : Managed

Switching capacity : 24 Gbit/s

Throughput : 17.85 Mpps

Total Power over Ethernet (PoE) budget : 240 W

Virtual LAN features : Private VLAN, Tagged VLAN, Protocol-based VLAN, MAC address-based VLAN

VLAN support : Y

Wall mountable : Y

Web-based management : Y

Weight : 1.09 kg

Width : 76.8 mm