



DESCRIPTION

Environmentally Hardened Design

PLANET Industrial 8-Port Gigabit 802.3at PoE+ Switch, IGS-10020PT, is equipped with rugged IP30 metal case for stable operation in heavy Industrial demanding environments. With IP30 industrial case protection, the IGS-10020PT provides a high level of immunity against electromagnetic interference and heavy electrical surges which are usually found on plant floors or in curbside traffic control cabinets.

Being able to operate under wide temperature range from -40 to 75 degrees C, the IGS-10020PT can be placed in almost any difficult environment. The IGS-10020PT also allows either DIN rail or wall mounting for efficient use of cabinet space.

Cybersecurity Network Solution to Minimize Security Risks

The new generation of IGS-10020PT 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-10020PT 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 Surveillance System

The IGS-10020PT 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 supply system into customers industrial automation network to enhance system reliability and uptime in harsh factory environments. The IGS-10020PT also protects customers industrial network connectivity with switching recovery capability that is used for implementing fault tolerant ring and mesh network architectures. If the Industrial network was interrupted accidentally, the fault recovery times could be less than 10ms to quickly bring the network back to normal operation.

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 new IGS-10020PT provides 8 10/100/1000Mbps ports featuring IEEE 802.3at Power over Ethernet Plus (PoE+) that combines up to 240-watt power output and data per port over one Cat.5E/6 Ethernet cable. With a total 240-watt PoE budget on the whole system, the IGS-10020PT is designed specifically to satisfy the growing demand of higher power consuming network PDs (powered devices) such as PTZ (Pan, Tilt & Zoom)/Speed Dome network cameras, multi-channel (802.11a/b/g/n) wireless LAN access points and other PoE network devices by providing PoE power, 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-10020PTs GUI, you just need one click to search and show all of the ONVIF devices via network application. In addition, you can upload floor images to the switch and can remotely monitor or inspect an assembly line. Moreover, you can get real-time surveillance information and online/offline status; the PoE reboot can be controlled from the GUI.

Intelligent Alive Check for Powered Device

The IGS-10020PT 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-10020PT will recycle the PoE port power and bring the PD back to work. It also greatly enhances the reliability owing 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-10020PT 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.

Digital Input and Digital Output for External Alarm

The IGS-10020PT supports Digital Input and Digital Output on its front panel. This external alarm enables users to use Digital Input to detect and log external device status (such as door intrusion detector), and send eve

TECHNICAL CHARACTERISTICS

Brand : PLANET
Part number : IGS-10020PT
Réseau :
Full duplex : Y
Auto MDI/MDI-X : Y
Design :
Certification : FCC Part 15 Class A, CE
10G support : N
Access Control List (ACL) : Y
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 : 1000BASE-T, 100BASE-TX, 10BASE-T
Depth : 107.3 mm
DIN rail mounting : Y
Fiber optic connector : MiniGBIC
Flow control support : Y
Gigabit Ethernet (copper) ports quantity : 8
Harmonized System (HS) code : 85176990
Height : 152 mm
Housing material : Aluminium
International Protection (IP) code : IP30
Jumbo frames support : Y
LED indicators : Y
Link aggregation : Y
MAC address table : 8000 entries
Management protocols : SSH, SSL, SNMP, Telnet
MIB support : RFC 1213 MIB-II, IF-MIB, MAU-MIB
Multicast support : N
Networking standards : 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 802.3ah, IEEE 802.3at, IEEE 802.3bz, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z
Number of queues : 8
Number of VLANs : 255
Operating relative humidity (H-H) : 5 - 95%
Operating temperature (T-T) : -40 - 75 °C
Port mirroring : Y
Power consumption (max) : 255 W
Power over Ethernet (PoE) : Y
Power over Ethernet (PoE) ports quantity : 8
Power requirements : 48VDC
Product colour : Blue, White
Quality of Service (QoS) support : Y
Rack mounting : N
Security algorithms : 802.1x RADIUS, SSH, SSL/TLS
SFP module slots quantity : 2
Storage temperature (T-T) : -40 - 85 °C
Store-and-forward : Y
Switch layer : L3
Switch type : Managed
Switching capacity : 26 Gbit/s
Throughput : 14.8 Mpps
Total Power over Ethernet (PoE) budget : 240 W
VLAN support : Y
Wall mountable : Y
Web-based management : Y
Weight : 1.03 kg
Width : 76.8 mm