



DESCRIPTION

Centralized Power Distribution for HD IP Surveillance System

The FGSD-1011HP, a new member of the PLANET 802.3at PoE Fast Ethernet Switch family, provides 8-port 10/100Mbps 802.3af/at Power over Ethernet, 1 Gigabit port and 1 Gigabit SFP port with a total of 120 watts of PoE budget. Its power budget is more than enough for any network applications with Fast Ethernet speed transmission. The eight 802.3af/at PoE ports feature PoE power injector function which is able to drive 8 IEEE 802.3at compliant powered devices. The FGSD-1011HP also offers a simple, cost-effective and non-blocking wire-speed performance. It comes with a 9-inch compact metal housing, suitable for desktop deployment in SOHO office or department network application.

Distance Extended for Transmission of Power and Data

The built-in solid DIP switch provides «Standard», «VLAN» and «Extend» operation modes. The FGSD-1011HP operates as a normal IEEE 802.3af/at PoE Switch in the «Standard» operation mode. The «VLAN» operation mode features port-based VLAN function that can help to prevent the IP cameras multicast or broadcast storm from influencing each other.

In the «Extend» operation mode, the FGSD-1011HP operates on a per-port basis at 10Mbps duplex operation but can support 30-watt PoE power output over a distance of up to 250 meters overcoming the 100m limit on Ethernet UTP cable. With this brand-new feature, the FGSD-1011HP provides an additional solution for 802.3af/at PoE distance extension, thus saving the cost of Ethernet cable installation. Its VLAN isolation function isolates each port so as to prevent broadcast storm and defend DHCP spoofing in the Extend operation mode.

Two Gigabit Uplink Ports

The FGSD-1011HP comes with two uplink ports with 1000Mbps transfer rate to ensure high-speed data and video transmission, reliable assurance for connection between the surveillance system and outside network where the eight PoE+ ports can be used to their full potential.

Fiber-Optic Link Capability Enables Extension of Network Deployment

The mini-GBIC slot built in the FGSD-1011HP supports SFP auto-detection and dual speed as it features 100BASE-FX and 1000BASE-SX/LX SFP (Small Form-factor Pluggable) fiber-optic modules, meaning the administrator now can flexibly choose the suitable SFP transceiver based on the transmission distance or the transmission speed required to extend the network efficiently. The distance can be extended from 550 meters to 2 kilometers (multi-mode fiber) and 10/20/30/40/50/60/70/120 kilometers (single-mode fiber or WDM fiber). They are well suited for applications to uplink to backbone switch and monitoring center in long distance.

Robust Protection

The FGSD-1011HP protects against the ESD 4KV surge to improve product stability and also protects users networks from devastating ESD attacks, making sure the flow of operation does not fluctuate.

Environment-friendly, Fanless Design for Silent Operation

The FGSD-1011HP comes with a desktop-sized, compact metal housing, making the placement of the unit convenient. It features a ventilated construction in which a cooling fan is not necessary, thereby making its operation noiseless. Moreover, the FGSD-1011HP is able to operate reliably and stably in any environment without affecting its performance. The deployment of PoE PDs with constant power feeding can be easily and quickly done.

Easy Installation and Cable Connection

As data transfer and high PoE are transmitted over a cable, the FGSD-1011HP is able to reduce the need of extended cables and electrical outlets on the wall, ceiling or any unreachable place. It helps to lower the installation costs and simplify the installation effort. All RJ45 copper interfaces of the FGSD-1011HP support 10/100/1000Mbps auto-negotiation for optimal speed detection through RJ45 Category 6, 5 or 5e cable. It also supports standard auto-MDI/MDI-X that can detect the type of connection to any Ethernet device without requiring special straight-through or crossover cables.

TECHNICAL CHARACTERISTICS

Brand : PLANET
Part number : FGSD-1011HP
Réseau :
Full duplex : Y
Auto MDI/MDI-X : Y
Design :
Certification : CE, FCC
10G support : N
AC input voltage : 100 - 240 V
Auto-negotiation : Y
Basic switching RJ-45 Ethernet ports quantity : 9
Basic switching RJ-45 Ethernet ports type : Gigabit Ethernet (10/100/1000)
Console port : RJ-45
Copper ethernet cabling technology : 10BASE-T, 10GBASE-T, 100BASE-TX, 100BASE-T, 1000BASE-T, 1000BASE-TX
Depth : 150 mm
Fast Ethernet (copper) ports quantity : 8
Flow control support : Y
Form factor : 1U
Gigabit Ethernet (copper) ports quantity : 1
Half duplex : Y
Heat dissipation : 463.2 BTU/h

Height : 44 mm
Input current : 2.5 A
Installed SFP modules quantity : 1
LED indicators : Activity, Link, PoE, Power
MAC address auto-aging supported : Y
MAC address auto-learning supported : Y
MAC address table : 4000 entries
Networking standards : IEEE 802.3, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z
Operating relative humidity (H-H) : 5 - 95%
Operating temperature (T-T) : 0 - 50 °C
Power consumption (typical) : 135 W
Power over Ethernet (PoE) : Y
Power over Ethernet (PoE) ports quantity : 8
Product colour : Blue
Rack mounting : Y
Stackable : Y
Storage relative humidity (H-H) : 5 - 95%
Storage temperature (T-T) : -10 - 70 °C
Store-and-forward : Y
Switch type : Unmanaged
Switching capacity : 5.6 Gbit/s
Throughput : 4.16 Mpps
Total Power over Ethernet (PoE) budget : 120 W
VLAN support : Y
Weight : 1.22 kg
Width : 220 mm