

8-Port 10/100Mbps + 2G TP / SFP Combo Managed 802.3at PoE Switch



High Power PoE for Security and Public Service PoE Applications

PLANET FGSD-1022HP, the next generation Managed PoE Switch, features **IEEE 802.3af** and **High Power IEEE 802.3at** Power over Ethernet (PoE) that combines up to **30 watts** power output and data per port over one CAT 5E/6 Ethernet cable. It is designed specifically to satisfy the growing demand of higher power consuming network PD (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 network devices by providing double PoE power than conventional 802.3af PoE currently.

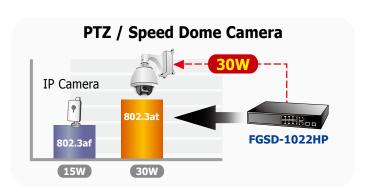
Flexible and Centralized Power Management

The 8 PoE ports in the FGSD-1022HP support both 802.3af and 802.3at PoE standards and allows users flexibly connect standard and high powered devices simultaneously. By offering 150 watts PoE budget, eight 15.4 watts IEEE 802.3af devices or five 30 watts IEEE 802.3at devices can be easily installed without the power-socket limitation.

To facilitate power management, the FGSD-1022HP is implemented powerful PoE management features such as **over temperature protection**, **usage threshold alert** and **auto power allocate** to prevent power budget overloading. The PoE power budget can be allocated by priorities or classification and sent alert event logs when power usage reaches the defined threshold. The FGSD-1022HP enables centralization of the power supply and optimizes the installation and power management of remote network devices; therefore, it eliminates costs for additional AC wiring and reduces installation time.

IEEE 802.3at Power over Ethernet Pre-Standard Compliant

Till today, the IEEE 802.3af Power over Ethernet Standard has become popular yet the PoE demand still grows for increasing network-powered applications. With many critical applications appears, the IEEE 802.3af PoE standard may not afford the trend of higher power demand. Hence, the IEEE 802.3at Power over Ethernet pre-standard is defined to allow delivery of maximum up to 30 Watts input power to per PoE device. The IEEE 802.3at Power over Ethernet pre-standard is an ideal solution to fulfill the high power requirements directly via the RJ-45 Port interface. Compliant with IEEE 802.3at, the FGSD-1022HP possesses stronger power capability than the existing 802.3af PoE Switch.



Full-Functioned / Robust Layer 2 Features

The FGSD-1022HP can be programmed for basic switch management functions such as port speed configuration, Port aggregation, VLAN, Spanning Tree protocol, QoS, bandwidth control and IGMP Snooping. It provides IEEE 802.1Q Tagged VLAN and the VLAN groups allowed on the FGSD-1022HP will be maximally up to 256. Via aggregation of supporting port, the FGSD-1022HP allows the operation of high-speed trunk combining multiple ports and supports fail-over as well. In addition, SNTP, System log and Remote syslog provide alarm event record to the administrator for security monitoring.

Excellent Traffic Control

The PLANET FGSD-1022HP is loaded with powerful traffic management and QoS features to enhance services offered by Service Providers. The functionality includes QoS features such as wire-speed Layer 4 traffic classifiers and bandwidth limiting applications that are particular useful for multi-tenant unit, multi business unit, Telco, or Network Service Provider. It also empowers the enterprises to take full advantages of the limited network resources and guarantees the best performance in VoIP and Video conferencing transmission.



Powerful Management and Easy To Use

For efficient management, the FGSD-1022HP is equipped with console, WEB and SNMP management interfaces. With its built-in Web-Based management interface, the FGSD-1022HP offers an easy-to-use, platform-independent management and configuration facility. For text-based management, the FGSD-1022HP can be accessed via Telnet and the console port. It supports standard Simple Network Management Protocol (SNMP) and can be managed via any standard-based management software. Moreover, the FGSD-1022HP offers secure remote management by supporting SNMPv3 and SSL connection which encrypts the packet content at each session.

Powerful Security

The PLANET FGSD-1022HP offers comprehensive Access Control List (ACL) for enforcing security to the edge. Its protection mechanism also comprises Port-Based IEEE 802.1x user and device authentication. The Port-security is effective in limiting the numbers of clients pass through so that network administrators can now construct highly secured corporate networks with considerably less time and effort than before.

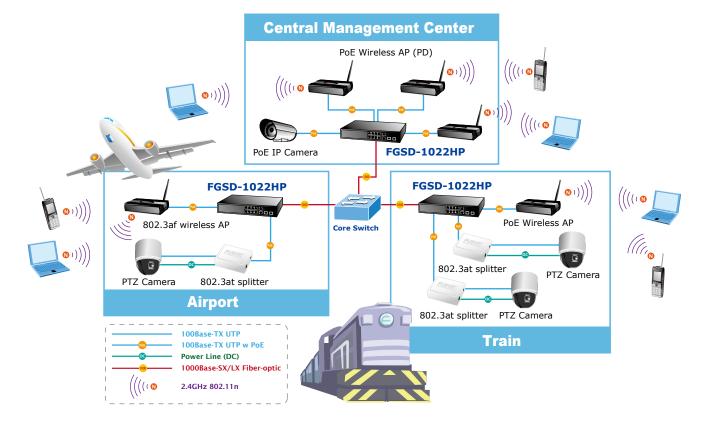
Flexibility and Extension solution

The two mini-GBIC slots are compatible with 1000Base-SX/LX and WDM SFP (Small Form Factor Pluggable) fiber-optic modules. The distance can be extended from 550 meters (Multi-Mode fiber cable) up to 10/30/50/70/120 kilometers (Single-Mode fiber or WDM fiber cable). They are well suited for applications within the enterprises data centers, distributions or remote PoE equipments data link.

APPLICATIONS

Train Station - IEEE 802.3at compliant IP Surveillance and Wireless powered devices

Having the capability of IEEE 802.3at Power over Ethernet pre-standard, the FGSD-1022HP can directly connect with any IEEE 802.3at end-nodes like PTZ (Pan, Tilt & Zoom) network cameras, PTZ Speed Dome cameras, color touch- screen Voice over IP (VoIP) telephones, and multi- channel wireless LAN access points. Besides the wired Internet network, the wireless LAN would be more efficient for the transportation station to provide high-speed and wide area Internet services for travelers. By adopting PoE Wireless LAN structure, the transportation authority gains benefit from less cost while providing better Internet services in wider areas for the travelers.

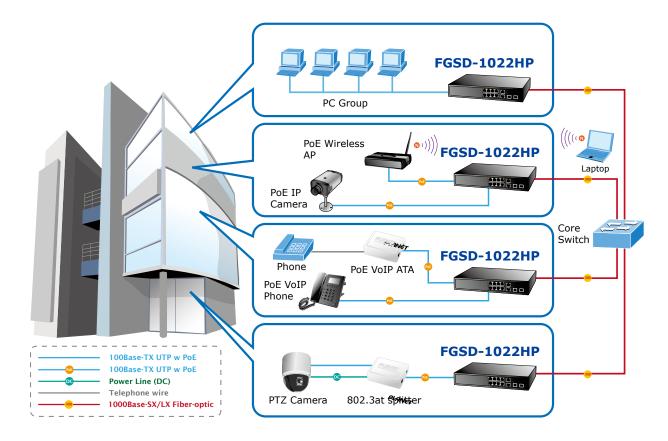




IP Office

With the business office expansion, the additional telephones required could be installed in less cost via the implementation of PoE IP Telephony system than that of the traditional circuit wiring telephony system. PLANET FGSD-1022HP PoE Managed Switch helps enterprises to create an integrated data, voice, and powered network. PLANET IEEE 802.3af compliant IP Phones can be installed without the need of an additional power cable because the power can be provided via the standard Ethernet cable from the connected FGSD-1022HP. PoE IP Phones and Analog Telephony Adapter work perfectly with the FGSD-1022HP which injects power through the Ethernet cables.

With the FGSD-1022HP, IP Telephony deployment becomes more reliable and cost effective, which helps enterprises save tremendous cost when upgrading from the traditional telephony system to IP Telephony communications infrastructure.





KEY FEATURES

PHYSICAL PORT

- 8-Port 10/100Base-TX Fast Ethernet ports with IEEE 802.3af / IEEE 802.3at PoE injector
- 2 10/100/1000Base-T TP combo interfaces
- 2 mini-GBIC/SFP slots, shared with Port-9 and Port-10
- Reset button for system management
- 1 RS-232 male DB9 console interface for Switch basic management and setup

POWER OVER ETHERNET

- Complies with IEEE 802.3af / IEEE 802.3at Power over Ethernet End-Span PSE
- Up to 8 IEEE 802.3af devices powered, supporting PoE Power up to 15.4 Watts for each PoE port
- Up to 5 IEEE 802.3at devices powered, supporting PoE Power up to 30 Watts for each PoE port
- Auto detect powered device (PD)
- Circuit protection prevents power interference between ports
- Remote power feeding up to 100m
- PoE Management
 - IEEE 802.3af and IEEE 802.3at mode Switch control
 - Total PoE power budget control
 - Per port PoE function enable/disable
 - PoE Admin-mode control
 - PoE Port Power feeding priority
 - Per PoE port power limit
 - PD classification detection
 - Over Temperature Protection function
 - Temperature Threshold Control
 - PoE Usage Threshold Control

LAYER 2 FEATURES

- Prevents packet loss Flow Control- IEEE 802.1Q Tag-based VLAN
 - IEEE 802.3x PAUSE Frame flow control for Full-Duplex mode
 - Back-Pressure Flow Control in Half-Duplex mode
- High performance of Store-and-Forward architecture, runt/CRC filtering eliminates erroneous packets to optimize the network bandwidth
- Broadcast / Multicast / Unicast storm control
- 8K MAC address table, automatic source address learning and ageing
- Supports VLAN
 - IEEE 802.1Q Tag-Based VLAN
 - Port-Based VLAN
 - Q-in-Q tunneling
 - GVRP for dynamic VLAN Management
 - Private VLAN Edge (PVE / Protect Port)
- Supports Link Aggregation
 - Up to 13 trunk groups
 - Up to 8 ports per trunk group with 1.6Gbps bandwidth (Full Duplex Mode)
 - IEEE 802.3ad LACP (Link Aggregation Control Protocol)
 - Cisco ether-channel (Static Trunk)

• Spanning Tree Protocol

- STP, IEEE 802.1D (Classic Spanning Tree Protocol)
- MSTP, IEEE 802.1s (Multiple Spanning Tree Protocol, spanning tree by VLAN)
- Port Mirroring to monitor the incoming or outgoing traffic on a particular port

QUALITY OF SERVICE

- 4 priority queues on all Switch ports
- Traffic classification
 - IEEE 802.1p CoS
 - IP TOS / DSCP to 802.1p priority mapping
 - Port-Based priority
- Strict priority and Weighted Round Robin (WRR) CoS policies
- Supports QoS and In/Out bandwidth control on each port
- · Voice QoS by application source / destination protocol

MULTICAST

- Supports IGMP Snooping v1 and v2
- IGMP Snooping v2 fast leave
- · Querier mode support

SECURITY

- IEEE 802.1x Port-Based network access control protocol
- RADIUS users access authentication
- L3 / L4 Access Control List (ACL)
- Source IP-MAC / Port-Binding
- Port Security for Source MAC address entries filtering

MANAGEMENT

- Switch Management Interface
 - Telnet Command Line Interface
 - Web Switch management
 - SNMP v1, v2c, v3 Switch management
 - SSL Switch management
- Three user privilege levels control (Admin, Operator, viewer)
- DHCP client for IP address assignment
- DHCP Option82 and DHCP Relay
- Link Layer Discovery Protocol (LLDP) for easy network management
- Built-in Trivial File Transfer Protocol (TFTP) client
- Firmware upgrade via TFTP or HTTP
- Configuration restore / backup via TFTP or HTTP
- Event message logging to local file or remote Syslog server
- Four RMON groups 1, 2, 3, 9 (history, statistics, alarms, and events)
- SNMP trap for interface Link Up and Link Down notification
- Supports Ping function
- Supports Simple Network Protocol (SNTP)



SPECIFICATION

8-Port 10/100Mbps + 2 Gigabit TP / SFP Managed 802.3at PoE Switch bdel FGSD-1022HP rdware Specification //100Mbps Copper Ports 8 10/ 100Base-TX RJ-45 Auto-MDI/MDI-X ports //100Mbps Copper Ports 2 10/100/1000Mbps RJ-45 Auto-MDI/MDI-X ports //100Mbps Copper Ports 2 10/100/100 Auto-Sensing //100Mbps Copper Ports 2 10/100/100 RJ Port-10 //100Mbps Copper Ports 3 10/100/100 RJ Port-10 //100Mbps Copper Ports 3 10/100/100 RJ Port-10 //100Mbps Copper Ports 3 10/100/100 RJ Port-10 //100Mbps Copper Port 3 10/100 RJ Port-10 //100Mbps Copper Ports 2 10/100/100 RJ Port-10 /	
rdware Specification /100Mbps Copper Ports 8 10/ 100Base-TX RJ-45 Auto-MDI/MDI-X ports /200Mbps Copper Ports 2 10/100/1000Mbps RJ-45 Auto-MDI/MDI-X ports /200Mbps Copper Ports 2 1000Base-SX/LX/BX, shared with Port-9~Port-10 /200Base-SX/LX/BX, shared with	
### 100 Mbps Copper Ports ### 2 10 / 100 Base-TX RJ-45 Auto-MDI/MDI-X ports ### 2 10 / 100 / 100 Mbps RJ-45 Auto-MDI/MDI-X ports ### 2 10 / 100 / 100 Mbps RJ-45 Auto-MDI/MDI-X ports ### 2 10 / 100 / 100 Mbps RJ-45 Auto-MDI/MDI-X ports ### 2 10 / 100 / 100 Mbps RJ-45 Auto-MDI/MDI-X ports ### 2 10 / 100 / 100 Mbps RJ-45 Auto-MDI/MDI-X ports ### 2 10 / 100 / 100 Mbps RJ-45 Auto-MDI/MDI-X ports ### 2 10 / 100 / 100 Mbps RJ-45 Auto-MDI/MDI-X ports ### 2 10 / 100 / 100 Mbps RJ-45 Auto-MDI/MDI-X ports ### 2 10 / 100 Mbps RJ-45 Auto-MDI/MDI/MDI-X ports ### 2 10 / 100 Mbps RJ-45 Auto-MDI/MDI/MDI-X ports	
2 10/100/1000Mbps RJ-45 Auto-MDI/MDI-X ports 2 1000Base-SX/LX/BX, shared with Port-9~Port-10 2 1000Base-SX/LX/BX, shared with Port-9~Port-10 3 1000Base-SX/LX/BX, shared with Port-9~Port-10 4 100Bps @64Bytes 8 100Bps @64Bytes 10Bps	
Prinini-GBIC Slots 2 1000Base-SX/LX/BX, shared with Port-9~Port-10 sitch Architecture Store-and-Forward sitch Fabric 5.6Gbps / non-blocking sitch Throughput 4.16Mpps @64Bytes sitch Throughput 5.6Gbps / non-blocking sitch Throughput 8.K entries 8.K entries 9.K Bytes 9.K Bytes 9.K Bytes 9.K Bytes 1.74Kg 10/100 PoE Port : Link/Activity (Green), 10/100 LNK / ACT(Amber) 9.Set Button 1.74Kg	
Store-and-Forward sitch Architecture Store-and-Forward sitch Fabric S.6Gbps / non-blocking sitch Throughput A.16Mpps @64Bytes SK entries Stare Data Buffer S	
sitch Fabric 5.6Gbps / non-blocking sitch Throughput 4.16Mpps @64Bytes sidess Table 8K entries 2 Mbits siximum Frame Size 9K Bytes Back pressure for Half-Duplex IEEE 802.3x Pause Frame for Full-Duplex System: Power 10/100 PoE Port: Link/Activity (Green), PoE In-Use (Amber) Gigabit Port: 1000 LNK / ACT(Green), 10/100 LNK / ACT(Amber) set Button < 5 secs: System reboot > 10 secs: Factory Default mension (W x D x H) 330 x 155 x 43.5 mm 1.74Kg wer Input 100 - 240VAC, 50 - 60Hz, Auto-sensing wer Consumption 200W / 686.2BTU	
A 1.6Mpps @64Bytes dress Table BK entries 2 Mbits System Frame Size Back pressure for Half-Duplex IEEE 802.3x Pause Frame for Full-Duplex System: Power 10/100 PoE Port : Link/Activity (Green), PoE In-Use (Amber) Gigabit Port: 1000 LNK / ACT(Green), 10/100 LNK / ACT(Amber) 5 set Button Commension (W x D x H) Commension	
dress Table 8K entries are Data Buffer 2 Mbits Siximum Frame Size 9K Bytes Back pressure for Half-Duplex IEEE 802.3x Pause Frame for Full-Duplex System: Power 10/100 PoE Port: Link/Activity (Green), PoE In-Use (Amber) Gigabit Port: 1000 LNK / ACT(Green), 10/100 LNK / ACT(Amber) set Button	
are Data Buffer 2 Mbits 9K Bytes Back pressure for Half-Duplex IEEE 802.3x Pause Frame for Full-Duplex System: Power 10/100 PoE Port: Link/Activity (Green), PoE In-Use (Amber) Gigabit Port: 1000 LNK / ACT(Green), 10/100 LNK / ACT(Amber) set Button set Button mension (W x D x H) 330 x 155 x 43.5 mm eight 1.74Kg wer Input 100 - 240VAC, 50 - 60Hz, Auto-sensing wer Consumption 2 Mbits 9K Bytes 10 System: Power 10/100 PoE Port: Link/Activity (Green), PoE In-Use (Amber) (Green), 10/100 LNK / ACT(Amber) - 10/100 LNK / ACT(Ambe	
Back pressure for Half-Duplex IEEE 802.3x Pause Frame for Full-Duplex System: Power 10/100 PoE Port: Link/Activity (Green), PoE In-Use (Amber) Gigabit Port: 1000 LNK / ACT(Green), 10/100 LNK / ACT(Amber) set Button set Button mension (W x D x H) 330 x 155 x 43.5 mm eight 1.74Kg wer Input 100 - 240VAC, 50 - 60Hz, Auto-sensing wer Consumption Page 14 Auto-sensing accident solution Back pressure for Half-Duplex System: Power 10/100 PoE Port: Link/Activity (Green), PoE In-Use (Amber) (Green), PoE In-Use (Amber) (Amber) 4 Secs: System reboot 5 10 secs: Factory Default 1.74Kg Wer Input 200W / 686.2BTU	
Back pressure for Half-Duplex IEEE 802.3x Pause Frame for Full-Duplex System: Power 10/100 PoE Port: Link/Activity (Green), PoE In-Use (Amber) Gigabit Port: 1000 LNK / ACT(Green), 10/100 LNK / ACT(Amber) set Button **Set System reboot** > 10 secs: Factory Default mension (W x D x H) 330 x 155 x 43.5 mm sight 1.74Kg wer Input 100 - 240VAC, 50 - 60Hz, Auto-sensing wer Consumption 200W / 686.2BTU	
System: Power 10/100 PoE Port: Link/Activity (Green), PoE In-Use (Amber) Gigabit Port: 1000 LNK / ACT(Green), 10/100 LNK / ACT(Amber) set Button set Button - 10 secs: Factory Default mension (W x D x H) 330 x 155 x 43.5 mm eight 1.74Kg wer Input 100 - 240VAC, 50 - 60Hz, Auto-sensing wer Consumption 120 System: Power 14 ACT(Amber) - 5 secs: System reboot - 10 secs: Factory Default 10 330 x 155 x 43.5 mm 200W / 686.2BTU	
10/100 PoE Port : Link/Activity (Green), PoE In-Use (Amber) Gigabit Port: 1000 LNK / ACT(Green), 10/100 LNK / ACT(Amber) Set Button	
set Button > 10 secs: Factory Default mension (W x D x H) 330 x 155 x 43.5 mm eight 1.74Kg wer Input 100 - 240VAC, 50 - 60Hz, Auto-sensing wer Consumption 200W / 686.2BTU	
eight 1.74Kg wer Input 100 - 240VAC, 50 - 60Hz, Auto-sensing wer Consumption 200W / 686.2BTU	
wer Input 100 - 240VAC, 50 - 60Hz, Auto-sensing wer Consumption 200W / 686.2BTU	
wer Consumption 200W / 686.2BTU	
·	
war over Ethernet	
wei Over Luiemet	
E Standard IEEE 802.3af / IEEE 802.3at Power over Ethernet / PSE	
E Power Supply Type End-Span	
Per Port 52V DC, 350mA . Max. 15.4 Watts (IEEE 802.3af) Per Port 52V DC, 590mA. Max. 30 Watts (IEEE 802.3at)	
MP Snooping IGMP (v1/v2) Snooping, up to 256 multicast Groups	
wer Pin Assignment 1/2(+), 3/6(-)	
E Power Budget 150 Watts	
ax. number of Class 2 PD 8	
ax. number of Class 3 PD 8	
ax. number of Class 4 PD 5	
yer 2 Function	
anagement Interface Console, Telnet, Web Browser, SSL, SNMPv1, v2c, v3	
Port disable/enable	
Auto-negotiation	
rt Configuration 10/100/1000Mbps full and half duplex mode selection	
Flow Control disable / enable	
Port Description	
Display each port's speed duplex mode, link status and Flow control status	
Auto negotiation status, trunk status	
rt Mirroring TX / RX / Both	
1 to 1 monitor	
ndwidth Control Ingress / Egress Rate Control	
Allow to configure per 128Kbps	
IEEE 802.1Q Tag-Based VLAN, up to 255 VLANs groups, out of 4041 VLAN IDs	
Port-Based VLAN	
AN Q-in-Q tunneling	
GVRP for VLAN Management, up to 128 dynamic VLAN entries	
Private VLAN Edge (PVE / Protected port) with two protected port groups	
Static Port Trunk	
k Aggregation IEEE 802.3ad LACP (Link Aggregation Control Protocol)	
k Aggregation IEEE 802.3ad LACP (Link Aggregation Control Protocol) 13 groups of 8-Port trunk support	
IEEE 802.3ad LACP (Link Aggregation Control Protocol) 13 groups of 8-Port trunk support 4 priority queue	
IEEE 802.3ad LACP (Link Aggregation Control Protocol) 13 groups of 8-Port trunk support 4 priority queue Traffic classification based on:	
IEEE 802.3ad LACP (Link Aggregation Control Protocol) 13 groups of 8-Port trunk support 4 priority queue Traffic classification based on: - Port priority	
IEEE 802.3ad LACP (Link Aggregation Control Protocol) 13 groups of 8-Port trunk support 4 priority queue Traffic classification based on: - Port priority - 802.1p priority	
IEEE 802.3ad LACP (Link Aggregation Control Protocol) 13 groups of 8-Port trunk support 4 priority queue Traffic classification based on: - Port priority - 802.1p priority - DSCP/TOS field in IP Packet	
IEEE 802.3ad LACP (Link Aggregation Control Protocol) 13 groups of 8-Port trunk support 4 priority queue Traffic classification based on: - Port priority - 802.1p priority - DSCP/TOS field in IP Packet MP Snooping IGMP (v1/v2) Snooping, up to 256 multicast Groups	
IEEE 802.3ad LACP (Link Aggregation Control Protocol) 13 groups of 8-Port trunk support 4 priority queue Traffic classification based on: - Port priority - 802.1p priority - DSCP/TOS field in IP Packet	





802.1X Port Access Control	Supporting EAP-N	MD5, EAP-TLS and EAP-PEAP authentication types	
SNMP MIBs	RFC-1213 MIB-II RFC-2863 Interfa RFC-2665 EtherLi RFC-1493 Bridge RFC-2819 RMON RFC-2737 Entity POWER-ETHERNE	ke MIB MIB MIB (Group 1, 2, 3,9) MIB	
Standards Conformance			
Standards Compliance	IEEE 802.3 IEEE 802.3u IEEE 802.3z IEEE 802.3ab IEEE 802.3ad IEEE 802.1D IEEE 802.1p IEEE 802.1p IEEE 802.1y IEEE 802.1x IEEE 802.1x IEEE 802.3af IEEE 802.10 IEEE 802.1	10Base-T 100Base-TX 1000Base-SX/LX 1000Base-T Flow Control and Back pressure Port trunk with LACP Spanning Tree Protocol Multiple Spanning Tree Protocol Class of Service VLAN Tagging Port Authentication Network Control Power over Ethernet Power over Ethernet (Pre-Standard) UDP TFTP IP ICMP Telnet HTTP IGMP version 1 SNMPv1 NTP SNMPv2c RADIUS IGMP version 2 SNMPv3	
Fundament	RFC 5424	Syslog	
Environment	Taman avatuus: 0	FO Posses C	
Operating	Temperature: 0 ~ 50 Degree C Relative Humidity: 20 ~ 95%		
Storage	Temperature: -10 ~ 70 Degree C Relative Humidity: 20 ~ 95% (non-condensing)		

OPDERING INFORMATION

FGSD-1022HP	8-Port 10/100Mbps + 2 Gigabit TP / SFP combo Managed 802.3at PoE Switch
-------------	---



AVAILABLE MODULES FOR FGSD-1022HP

MGB-GT	SFP-Port 1000Base-T Module
MGB-SX	SFP-Port 1000Base-SX mini-GBIC module
MGB-LX	SFP-Port 1000Base-LX mini-GBIC module
MGB-L30	SFP-Port 1000Base-LX mini-GBIC module-30km
MGB-L50	SFP-Port 1000Base-LX mini-GBIC module-50km
MGB-L70	SFP-Port 1000Base-LX mini-GBIC module-70km
MGB-L120	SFP-Port 1000Base-LX mini-GBIC module-120km
MGB-LA10	SFP-Port 1000Base-LX (WDM,TX:1310nm) mini-GBIC module-10km
MGB-LB10	SFP-Port 1000Base-LX (WDM,TX:1550nm) mini-GBIC module-10km
MGB-LA20	SFP-Port 1000Base-LX (WDM,TX:1310nm) mini-GBIC module-20km
MGB-LB20	SFP-Port 1000Base-LX (WDM,TX:1550nm) mini-GBIC module-20km
MGB-LA40	SFP-Port 1000Base-LX (WDM,TX:1310nm) mini-GBIC module-40km
MGB-LB40	SFP-Port 1000Base-LX (WDM,TX:1550nm) mini-GBIC module-40km

POE-161S	IEEE 802.3at Gigabit High Power over Ethernet Splitter		
POE-151S-5V	IEEE 802.3af Power over Ethernet Splitter with 5V DC output		
POE-151S-12V	IEEE 802.3af Power over Ethernet Splitter with 12V DC output		
POE-E101	IEEE 802.3af Power over Ethernet Extender		
ICA-H312	H.264 25-meter IR Internet Camera		
ICA-H610	H.264 Indoor CCD Internet Camera		
ICA-HM100	Wired H.264 Mega-Pixel IP Camera		
ICA-HM120	H.264 Mega-Pixel Box IP Camera		
ICA-HM125	2 Mega-Pixel H.264 Box IP Camera		
ICA-HM126	H.264 Full HD Box IP Camera		
ICA-HM131	H.264 Full-HD Fixed Dome IP Camera		
ICA-HM135	H.264 Mega-Pixel 20M IR Vandal Proof Dome IP Camera		
ICA-HM240	H.264 Mega-Pixel Vandal Proof Pan/Tilt IP Camera		
IVS-110	1-Channel Internet Video Server		
WNAP-1120PE	802.11n Wireless Access Point with PoE		
WNAP-3000PE	802.11n Enterprise PoE Access Point		
WNAP-4033PE	54Mbps Wireless PoE Access Point		
VIP-254PT	SIP PoE IP Phone		
VIP-255PT	Multi-Language PoE IP Phone		
VIP-360PT	Enterprise PoE IP Phone		
VIP-560PT	Professional PoE IP Phone		
VIP-560PE	Professional Enterprise PoE IP Phone with Expansion Function		
VIP-156PE	802.3af PoE SIP Analog Telephone Adapter		