



SAFE IS THE NEW SMART



24 Port Gigabit Ethernet PoE Switch with 4 Gigabit SFP Uplink Port (Managed)

Model: GNCS-PPG24G4S4M (Pro-Series)



IEEE 802.3at/af



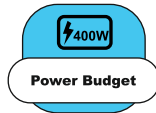
Downlink



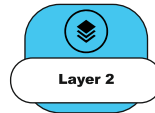
Uplink



1G SFP



Power Budget



Layer 2



Web Management



Plug & Play

Application Areas



City Surveillance



Railway Station



Highways



Traffic Light



Airports

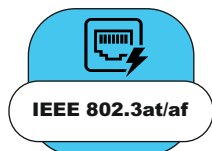


Crowded Public Places

Network PoE Switch

Globus Infocom provides comprehensive, all-in-one security solutions for any small, medium or large enterprise, tailor-made to suit their security requirements. We also provide powerful and flexible networking solutions that includes PoE switches. It allows convenient delivery of data and power at the same time from a single cable. It eliminates the need for AC or DC power supplies and outlets. Overall, it reduces the total cost of installation for a security system.

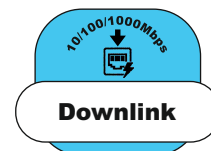
IEEE 802.3at/af



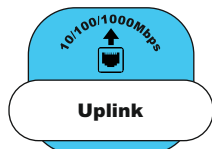
Power over Ethernet (PoE) networking feature allows safe transfer of data and electrical power to remote devices over standard data cables. It eliminates the need for electrical outlet installation and dramatically reduces the total cost of ownership for users by simplifying installation. The devices connected over PoE can be remotely powered down during periods of low usage or for security purpose by the users.

Downlink

Globus Network Switches are equipped with Downlink Port which connects the end devices like CCTV Cameras, PC or any server that supports Power Over Ethernet as well as Non-PoE devices. It transmits power and data on the same cable providing a hassle-free and cost-effective installation. Our Network Switches provides the 10/100/1000Mbps bandwidth for diverse requirements of your security solutions.



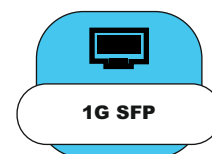
Uplink



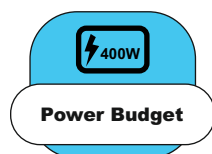
The Uplink port on Globus Network Switches enable users to connect smaller local network to a larger network and at the same time, also lets them connect to the next higher device in the network topology. Our Switches come with two non-PoE Uplink Ports that support 10/100/1000Mbps bandwidth for smooth, glitch-free network performance of your security solution. It reverses the transmit and receive circuits on a regular ethernet cable to communicate with other network devices. It eliminates the need for a crossover cable, thus providing much neat and organized installation.

1G SFP

The SFP uplink port is ideal for connecting the switch to the network's backbone, providing more than enough bandwidth and stability for ultra-high speed data transferring. The industrial-grade Small-Form-Factor Pluggable (SFP) links your switches and routers to the network and can be used on a wide variety of network cameras and switches. With the hot-swappable feature, it maximizes uptime and improves the usability of your entire solution.



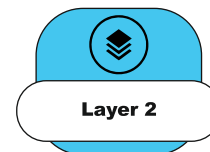
Power Budget



The switch PoE Power Budget is the total amount of power output available to the PoE ports of the switch. Please make sure that the total power required by all PoE devices powered via the switch PoE ports do not exceed the PoE power budget.

Layer 2

A layer 2 switch is a Network Switch that works on the data link layer and utilizes MAC address to devise a path through where the frame are forwarded. Switches and bridges are used for Layer 2 switching. They break up one large collision domain into multiple smaller ones. They build tables for the transfer of frames among networks. Layer 2 Switches are faster than routers because they consume lesser time looking at the Network layer header information. They work by looking at the frame's hardware addresses to devise the next step for the frame.



Web Management

With Globus Network Switches, it is convenient, user-friendly and quick to connect your Network Cameras to the internet. It provides adequate bandwidth and stability for an ultra-high speed data transferring. Users can easily access recordings remotely, send alerts & notifications.

Plug & Play

The Plug & Play function gives a facility to connect network without the need for physical configuration. Globus offers a comprehensive portfolio of PoE+ switches and provides the most cost-effective solution for IP surveillance network. Owing to Web-Based Management, manage multiple Aps and achieve a simplified security solution.



24 Port Gigabit Ethernet PoE Switch with 4 Gigabit 4 SFP Uplink Port (Managed)

Network Port	24×10/100/1000Mbps RJ45 PoE Port 4×10/100/1000 Mbps RJ45 Port 4×10/100/1000Mbps SFP Port 1xConsole RJ45 Port
Network Protocol Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3af, IEEE 802.at, CSMA/CD, TCP/IP
DDR Capacity	16MB
Flash Capacity	128MB
Transmission Rate	29.7Mbps
Output Power	Up to 30Watt Max
PoE Power Budget	400 Watt
PoE Mode	End-span
Extend Mode	N/A
VLAN	Supported
Switching Capacity	52Gbps
Forwarding Rate	10Base-T: 14880PPS 100Base-T: 148800pps/port
MAC Address	MAC address table 8K
Queue Buffering	4MB
MAC Address Management	Static MAC adding, deleting Limit on number of MAC Address Learning Support dynamic aging time setting
Loop Detection	Supported
Storm Control	Broadcast message rate limit Multicast packet rate limit Unknown unicast speed limit
Environment / Humidity	Based on Port VLAN ACCESS VLAN TRUNK VLAN HYBRID VLAN 802.1Q Marked VLAN Max Support 4094 *VLAN
Multicast Control	Support static adding, deleting; Support IGMP-Snooping Support MLD-Snooping; Support v1/2/3 dynamic multicast checking
Port Aggregation	Support static manually aggregation Support LACP dynamic aggregation

Access Control	Source-based MAC, Purpose MAC, Source MAC, MAC, MAC Protocol, Source IP access setting based TCP, IP, UDP, IGMP source IP, destination IP, source IP and destination IP access setting
Safety Features	VLAN Internal port isolation Port +MAC+IP Bind
Mirroring Port	By Mirroring port transmission, receiving and sending data
Internet Management	Telnet, CLI, WEB
Port Speed Limit	Inbound and outbound port speed limit
DHCP SNOOPING	Prevent illegal DHCP Server
Loop Detection	Detecting Ethernet Loop
ARP Offensive	Prevent ARP request spoofing Prevent ARP answer spoofing
Forwarding Mode	Store and Forward
Port Function	Power,SYS,Link/Act:10/100/1000Mbps,POE
Frame	Port Max Forwarding 10240PPS
SSH	Support SSHv1/2 remote administration
SNMP	Support v1/2/3 Support trap: ColdStart, WarmStart, LinkDown, LinkUp
RMON	Support RMONv1
Equipment Management	Console Mode Telnet Mode CLI Interface WEB Interface Support Ping Examine CPU, Memory Usage One-click fault Collection
Port Isolation	Support isolation Setting
VLAN	Access/Trunk/Hybrid Support VLAN Dividing based on Port, Portocol, MAC, with QINQ Support GVRP dynamic VLAN registration Voice VLAN (Support Needed)
Spanning Tree	Support 802.1d (STP); Support 802.1w (RSTP) Support 802.1s (MSTP)
DDM	Support SFP/SFP+DDM
QOS	Based on 802.1p (COS) sort; Based on DSCP sort; Based on source IP, destination IP; Support SP, WRR scheduling policy; Support rate limiting CAR
LLDP	Support LLDP link Detect Protocol

Attack Prevention	DOS defense Support the protection of CPU, Limit rates of checking the CPU and memory utilization ARP binding (IP, MAC, PORT binding)
CLI	Support CLI administration
LED Indicator	Each port has one LINK/ACT PoE Status indicator, whole power indicator
Power Input	Single, AC 100~240V, 50/60 Hz
Working Temperature	-10°C ~ 55°C
Weight	4.2kg
Dimension	440mm x 284mm x 44mm

About Globus Infocom

Globus Infocom is a pioneer of technological solutions in the field of Education Technology, Collaborative Conferencing & Professional Displays, Security & Surveillance and Healthcare & Wellness. The company houses one of the most elaborate range of security solutions including Network Dome Camera, Network Bullet Camera, PTZ Cameras, Fish Eye Cameras, NVRs, DVRs, Mobile Surveillance, Body Worn Cameras, PoE/SFP Network Switches (managed-unmanaged) and related accessories. With its in-house Research & Development team and the zeal for constant innovation, Globus has developed an insight to understand what 21st century Security & Surveillance market demands. Owing to its nationwide sales and service support, Globus Infocom, a proud Make in India brand, has amassed more than 25,000 customers with 50% of repeat order ratio.