IEEE 802.3 AT, 16-port10/100/1000M + 4 Combo Gigabit Copper / 2 SFP Web-Smart Rack-mount Gigabit Ethernet Switch

CGS-1604GSW

FEATURES

- 16-Port 10/100/1000BaseT(X) PoE, 4 Combo SFP Open Slots
- Web-based Configuration and Management
- IEEE 802.1Q VLAN Tagging
- 802.1p Priority Queues
- Jumbo Frames and IGMP Support
- Link Aggregation and Spanning Tree

DESCRIPTION

CGS-1604GSW is 16-port 10/100/1000M PoE + 4 Combo SFP Rack-mount Gigabit Web Smart Ethernet Switch that is designed for medium or large network environment to strengthen its network connection. Including rack-mount brackets, the 19" size fits into your rack environment. It is a superb choice to boost your network with better performance and efficiency.

IEEE 802.3at Power over Ethernet (PoE) ports

CGS-1604GSW features 16 IEEE 802.3at Power over Ethernet (PoE) ports supplying up to 30 watts per port. This product can convert standard 100~240V/AC power into low-voltage DC that runs over existing LAN cable to power up IEEE 802.3at compliant network accessories. It also features PoE awareness to verify whether the network device receive power is IEEE 802.3at compliant, or only the data will be sent through LAN cable. By adding CGS-1604GSW to existing networking, installing networking products such as Access Points and IP cameras can be easily managed and set up. Wireless device deployments are easily located with available power outlets and network administrators don't need to use heavy AC power adapters anymore.

4 Combo SFP Open Slots

CGS-1604GSW supports 4 Combo SFP open slots to uplink to servers, storage, or other switching devices for long loop reach applications.

High-Speed Networking and Jumbo Frames Support

CGS-1604GSW provides an excellent solution for expanding your Gigabit network. By Gigabit speed, this product provides high flexibility and high bandwidth connectivity to servers, workstations and other attached devices. It enables you to save time transferring large files. In addition, it also supports Jumbo Frames 9.6K to improve network utilization of large file transfers.

Exceptionally Smart

CGS-1604GSW provides Smart features that are ideal for simple QoS/CoS applications and basic monitoring tools to improve network efficiency. Its security and management features, such as bandwidth control, and VLAN (IEEE 802.1Q VLAN tagging and port-based VLAN) to secure your network. Through a Web-based interface, an administrator can set up VLANs to segregate traffic, QoS to prioritize mission-critical data and link aggregation to create fat traffic pipelines. In addition, CGS-1604GSW also supports Rapid Spanning Tree to detect and break unintentional cabling loops within the network. All of these features offer extra protection on the network edge. Best of all, the password-protected configuration interface can be accessed remotely.

Advanced Security

CGS-1604GSW supports specific MAC Addresses filtering for every port, and then only identifiers have the privilege to pass through the specific ports. On security, it also supports IEEE802.1x port authentication.

Enterprise-Class Web Management Utility

With graphic user interface, it's easy to manage, plan and configure PS-7164VM Rack-mount Gigabit Web Smart Ethernet Switch. This utility provides valuable tools, such as,
Configuration List:
The configuration features of the Web Management utility allows the system administrator to set the IP Address, the user name and the password of CGS-1604GSW.
Monitoring List and Statistic View:
CGS-1604GSW can be monitored for every status by the system administrator. When an abnormal event occurs on the switch, messages can be set to notify the system administrator.
Maintenance List:
The system can easily maintain CGS-1604GSW by updating every status.

Auto-MDI/MDI-X

Every port can automatically sense your type of cable, so there is no need for crossover cables whether you are connecting this switch to another switch or to a computer.

Auto-Negotiation

Every port can automatically sense if the connected network devices are running at 10Mbps, 100Mbps or 1000Mbps and Half/Full-Duplex mode, and adjust accordingly.

Non-Blocking

This switch receives and forwards traffic seamlessly with its non-blocking wire-speed. Every port simultaneously supports up to 2000Mbps of bandwidth in full-duplex mode. This feature provides full wire speed to the connected devices and allows you to run a smooth network.

Store and Forward

By this function, this switch can maximize network performance while minimizing the propagation of bad network packets.

SPECIFICATIONS

Standards	• IEEE 802.3 10BaseT
	• IEEE 802.3u 100BaseTX
	• IEEE 802.ab 1000BaseT
	• IEEE 802.3z 1000BaseSX/LX
	• IEEE 802.3at Power Over Ethernet
	• EEE 802.3x Full-duplex and Flow Control
	• IEEE 802.1x Port-based Network Access Control
	• IEEE 802.1Q VLAN
	• IEEE 802.3ad Link Aggregation
	• IEEE 802.1d Spanning Tree Protocol
	• IEEE 802.1w Rapid Spanning Tree Protocol
	• IEEE 802.1p Class of Service, Priority Protocols
Features	• RJ-45 Ports: 16 with PoE (IEEE 802.3at)
	• Combo SFP Open Slots: 4
	• MAC Address: 8K
	• Buffer Memory: 340K Bytes
	• Jumbo Frames: 9.6K
	• Transmission Method: Store and Forward
Smart Features	• VLAN: 16
	• Tagged VLAN: 16
	• VLAN ID: 1~4094
	• Trunk Groups: 8
	• Quality of Service: up to 4 queues
	• IGMP Snooping
	• LACP, RSTP
	• MAC Filtering
	• Rate Limiting (Ingress rate and Egress rate)
	• 802.1x Port-based Network Access Control
	• Management: Port Mirroring, Password-protected Access,
	• Port Settings, Web-base Management, Graphic User
	• Interface
Filtering/Forwarding Rates	• 1000Mbps port - 1,488,000pps
	• 100Mbps port - 148,800pps
	• 10Mbps port - 14,880pps
Transmission Media	• 10BaseT Cat. 3, 4, 5 UTP/STP
	• 100BaseTX Cat. 5 UTP/STP
	• 1000BaseT Cat. 5E UTP/STP
Led Indicators	• Per Port: Link/Act,1000M