

CS-2408G

8 Port 10/100/1000M Gigabit Web Managed Switch with 4 Combo Gigabit Ports

EAN Code : 4712757159318



Introduction

CERIO CS-2000 Series Model: **CS-2408G** is a powerful high-performance **4 Combo Gigabit UTP/SFP** uplink ports with **8 port 10/100/1000Mbps web managed switch** and supports Remote control and management through a web-based User Interface. This Layer 2 Web Managed switch supports Spanning Tree / Rapid Spanning Tree protocol, Port base IEEE802.1Q VLAN Tagging, IGMP snooping, IEEE802.1p port-based QoS, and Bandwidth control / Loop Detection. CS-2408G's high performance gigabit design provides reliable performance and allows for easy management of auto-negotiation speeds.

The CERIO CS-2000 Series **CS-2408G** Web Managed Switch is ideal for minimizing network downtime, connecting subnets for improved performance, and enabling the bandwidth demanded for multimedia and imaging applications. **CS-2408G** effectively reduces operational costs by allowing network administrators to remotely access and monitor their network, ultimately eliminating the need for constant on-site maintenance staff. **CS-2408G's** layer 2 web managed design also increases network security by providing enhanced network control through port management and visible MAC table addresses/clients. This device's high feature and high performance design, paired with an easy to use web interface, effectively improves both network management and efficiency for medium and large sized applications.

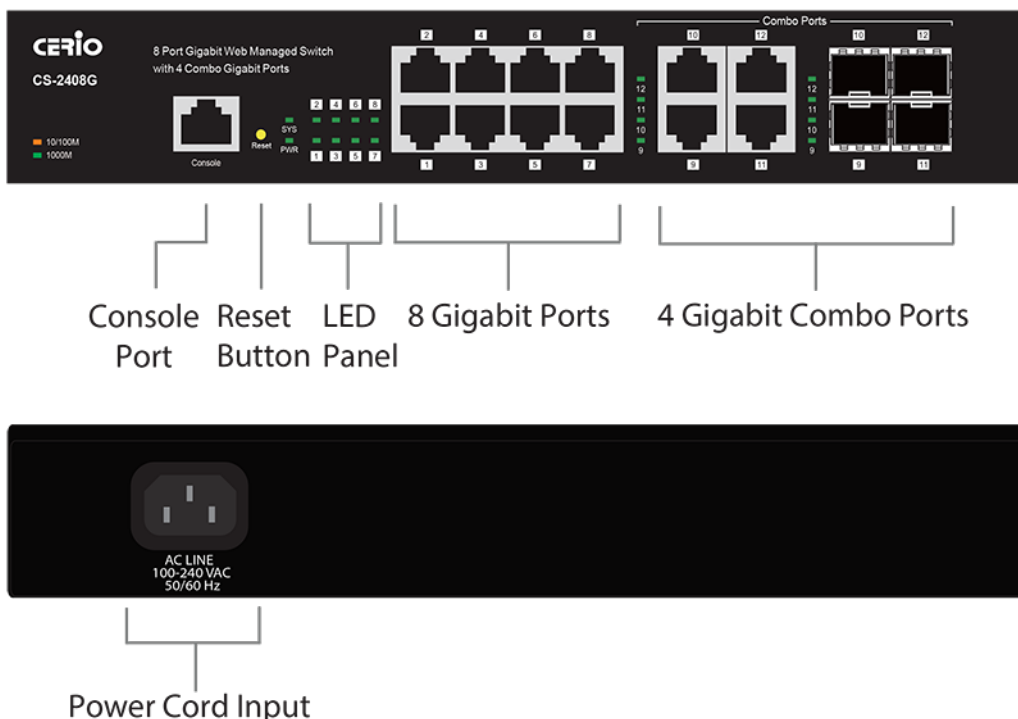
CS-2408G is a feature packed web managed gigabit switch, providing enterprise grade function at a competitive price point. Deploying CS-2408G in your network can provide network organization and improved efficiency for your devices and clients. CERIO's web-managed switches offer convenient configuration which ultimately provides premium performance, easy installation, and is sure to meet the increasing demands of growing networks.

Highlight Features

- Complying with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-SX/LX, IEEE 802.3az EEE.
- 8 port 10/100/1000Mbps TX Auto-Negotiation Ethernet Switch.
- Supports 4 Combo Gigabit ports UTP/SFP uplink ports and IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-SX/LX.
- Full/Half-Duplex capability on each TX port , Auto-learning networking configurations.
- Supports store & forward operation.
- Supporting the flow control: back pressure for Half-duplex and IEEE 802.3x for Full-duplex mode.
- Non-blocking & Non-head-of-line blocking full-wire speed forwarding.
- Supports network interface Auto MDIX function for auto TX/RX swap.

- Automatic Source MAC Address Learning and Aging.
- Provides 9K Jumbo frames to improve network utilization of a large file transfers.
- Supports up to 8K MAC addresses.
- Up to 4.1Mb Packet Buffer size.
- VLAN and IEEE802.1Q tag-base VLAN based on ports & VIDs; add/remove/modify tag.
- IEEE802.3ad Link Aggregation LACP.
- Provides IGMP v2/v3 snooping function.
- Supports Bandwidth Control with KB/s size control.
- Supports 802.1x protocol to support CHAP, EAP mode and port/MAC based network access control.
- Supports DoS (Denial of Service) Defense for enhanced network security.
- Link Layer Discovery Protocol (LLDP) and LLDP-MED.
- Supports DHCP Snooping function to prevent access by unauthorized hosts and DHCP servers.
- Each port supports limiting the number of MAC Addresses with IP and MAC address Binding.
- Supports Access Control List (ACL) for MAC and IP Address filtering.
- Supports QoS Quality of Service, Port-based QoS bandwidth management, 802.1q priority Tag based with 8 priority Queues and 8 Weights.
- Supports bandwidth control to set control traffic limits (inflow and outflow) for each port.
- Supports Port Mirroring function.
- Supports Spanning Tree Protocol (STP) and Rapid Spanning Tree Protocol (RSTP).
- Supports proxy DNS Server and NTP network time synchronization function.
- Supports Event Log, Alarm Log, Security Log, Network Log, and Protocol Log.
- Supports web-based HTTP web management user interface and supports SNMP v1/v2c/v3.
- Supports GUI display for monitoring network data status by port, traffic analysis by port, and device CPU and Memory loading for convenient administrative network analysis and management.

Hardware Overview



Standards & Hardware Specifications

Network Standards Conformance

IEEE 802.3 10Base-T
 IEEE 802.3u 100Base-TX,
 IEEE 802.3ab 1000Base-T,
 IEEE 802.3z 1000Base-SX/LX
 IEEE 802.3x Flow Control
 IEEE 802.1p QoS
 IEEE 802.3az EEE
 IEEE 802.1Q VLAN Tag
 IEEE 802.3ad Link Aggregation

Port Configuration

8 ports RJ-45 connectors for 10/100/1000 BASE-TX
 4 Combo Gigabit Ports (SFP / RJ45)
 1 Console Port (RJ45)

Hardware Reset

Reset button for returning to factory settings

Media Access Protocol

CSMA / CD

Network Media

10BASE-T: UTP Cat. 3 or up,
 100BASE-TX: UTP Cat. 5 or up,
 1000BASE-T: UTP Cat. 5 or up

Transmission Method

Store and Forward

MAC Address Table

8K

Built-in Buffer

4.1Mb

Jumbo Frame

9K

Data Transfer Rate

10/100/1000Mbps (Half-duplex),
 20/200/2000Mbps (Full-duplex)

Auto MDI/MDIX

Yes

LED Indicators

Per Port: Link / Activity Status	x 8
Gigabit Combo Port: RJ45 Connection Status	x 4
Gigabit Combo Port: SFP Connection Status	x 4
Per Unit: (PWR)	x 1
Per Unit: (SYS)	x 1

Internal Bus Speed

24Gbps

Switch Specifications

Link Aggregation

IEEE802.3ad LACP Link Aggregation Supported

Port Mirror

Supported

Quality of Service (QoS)

Supports IEEE 802.1p QoS, Port-based QoS

Bandwidth Control

Supported

Spanning Tree(STP)

Supported

Rapid Spanning Tree(RSTP)

Supported

IGMP Snooping

Supports v2, v3

MAC Filter

Supported

DHCP Snooping

Supported

VLAN

IEEE802.1Q Tagging VLAN , Port-Based ,Tag based VLAN

SNMP

Supports SNMP v1/v2c/v3

Environmental & Mechanical Characteristics

Power Consumption

8.8 Watts

Power Type

Power cord: Internal Power supply

Power Requirement

AC 100~240VAC, 50-60Hz Auto-sensing

Operating Temperature

0° to 50° C

Storage Temperature

-40° to 70° C

Operating Humidity

10% to 90% non-condensing

Storage Humidity

5% to 90% non-condensing

Dimensions (W x H x D)

265 x 183 x 44 mm

Unit Weight

1.45kg

Production Location

TW or CN

Certifications

FCC, CE, RoHS-Compliant

Package Contents

Contents

CS-2408G Main Unit	x1
CD Manual	x1
Power Cord	x1
19" Rack Mount Brackets	x1
Warranty Card	x1