

## CS-2208G-8P

8 Port 10/100/1000M Gigabit Web Managed PoE+ with 2 SFP Ports ( 160Watt Power )

EAN Code : 4712757159110



### Introduction

**CERIO CS-2000 Series Model: CS-2208G-8P is a powerful high-performance 8 port 10/100/1000Mbps web managed switch with 2 SFP Ports** and is **compliant with POE+ IEEE 802.3at and 802.3af standards**. This layer 2 Web Management switch includes a 160watts internal power supply and **supports 130 Watt PoE Power budget**, port base IEEE802.1Q VLAN Tagging, IGMP snooping, and IEEE802.1p port-based QoS. **CS-2208G-8P** can solve the limitations of power outlet locations and offer system relocation convenience

**CERIO's CS-2208G-8P PoE+ Switch** is designed for dispersing managed Power over Ethernet to small and large networks architectures. It is ideal for micro-segmenting large network into smaller networks, connecting subnets for improved performance, and enabling the bandwidth demanded for multimedia and imaging applications. Users can **easily connect Wireless APs, VoIP phones, and IP Cameras** to this switch for convenient power and data transmission. Over current protection and circuit shorting protection are also supported to ensure product safety. This high power device provides easy installation, avoids limitations of power outlet locations, and offers a simple solution for system relocation.

### 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, IEEE-802.3af PoE, IEEE802.3at PoE+.
- 8port 10/100/1000Mbps TX Auto-Negotiation Ethernet Switch , 8 Port Gigabit PSE / PoE function compliant with IEEE-802.3af class3 /class2/class1 and IEEE802.3at class4.
- Supports 2 Gigabit SFP uplink ports for connecting MiniGBIC 1000Base-SX/LX fiber modules.
- Supports power of up to 30Watt/15.4Watt /7.5Watt/4Watt for each PSE/PoE port.
- Internal 160 Watts power supply supports a maximum PoE power budget of 130 Watts.
- Supports remote power control of PoE powered devices (PD), allowing by internet web on/off/restart control and supports monitoring of individual port PoE consumption (wattage).
- Full/Half-Duplex capability on each TX port, Auto-learning networking configurations.
- Supporting flow control: back pressure for Half-duplex and IEEE 802.3x for Full-duplex mode.
- Supports Store and Forward functionality.
- Non-blocking & Non-head-of-line blocking full-wire speed forwarding.
- Supports TP interface Auto MDIX function for auto TX/RX swap.

- Provides **9K Jumbo frames** to improve network utilization of a large file transfers.
- Supports up to 4K MAC addresses and Up to 1.5Mb Packet Buffer size.
- VLAN and IEEE802.1Q tag-base VLAN based on ports & VIDs; add/remove/modify tag.
- IEEE802.3ad Link Aggregation Port trucking ( LACP ).
- Supports Port Mirroring function.
- Supports IEEE802.1p QoS with 4 Priority Queues and 8 Priority Weights, and Port- based QoS with 4 Priority Queues.
- Provides IGMP snooping function.
- Supports file backup and recovery.
- Web-based management interface.

## Hardware Overview



SYS  
LED

Reset  
Button

LED  
Panel

8 Gigabit  
Ethernet PoE Ports

2 SFP  
Uplink Ports



Power Cord Input

### 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 802.3az EEE  
 IEEE 802.1p QoS  
 IEEE 802.1Q VLAN Tag  
 IEEE 802.3ad Link Aggregation  
 IEEE 802.3af Power over Ethernet ( 15.4 Watt PoE+ )  
 IEEE 802.3at Power over Ethernet Plus (30Watt PoE+ )

#### Port Configuration

8 ports RJ-45 connectors for 10/100/1000 BASE-T and PSE/ PoE function  
 2 SFP Uplink Ports

#### 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

4K

#### Built-in Buffer

1.5Mb

#### 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/Act Status	x8
Per Port: PoE Status	x8
Gigabit SFP Port: Connection Status	x2
Max. PoE (PoE Load greater than 70% warning)	x1
Per Unit: Power/SYS	x1

#### Internal Bus Speed

20Gbps

### 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

#### IGMP Snooping

Supported

#### VLAN

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

### Environmental & Mechanical Characteristics

#### Power Type

160 Watt Internal Power Supply

#### PoE Power Budget

53V for 130Watt (shared) for all PoE ports

#### Power Consumption

53V for 10.5 Watt (max. with no PoE Device connected)

#### PoE Power Output

Up to 30W per port, 53V DC

#### Power Requirement

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

#### Operating Temperature

0° to 40° C

#### Storage Temperature

-40° to 70° C

#### Operating Humidity

10% to 90% non-condensing

#### Storage Humidity

5% to 90% non-condensing

#### Dimensions

265 x 184 x 44 mm

#### Unit Weight

1.65kg

#### Production Location

TW or CN

#### Certifications

FCC, CE, RoHS-Compliant

### Package Contents

#### Contents

<b>CS-2208G-8P</b> Main Unit	x1
Power Cord	x1
19" Mount Brackets	x1
Warranty Card	x1