

# 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: CS-2208G-8P** is a latest A3 version 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. It can enable local and remote login management interface to turn on and off PoE power and manage the power restart of powered devices. This switch built in a 160 Watt internal power supply and supports 130 Watt PoE Power budget share for total 8port PoE ports. The management function support IEEE 802.1q Tag Based VLAN, 802.1q VLAN Port and IGMP snooping, etc.

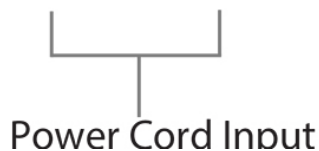
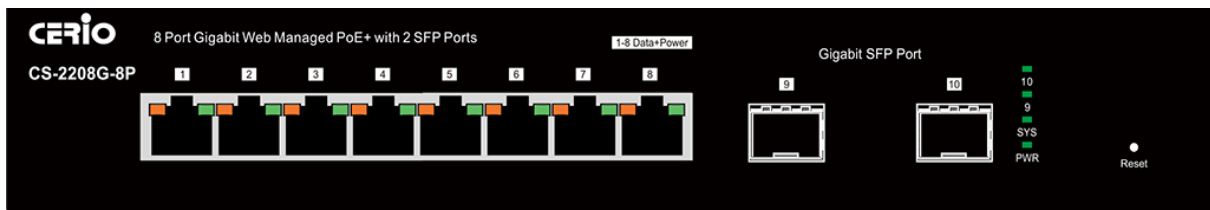
**CERIO CS-2208G-8P** Web Managed PoE+ Switch is designed for dispersing managed Power over Ethernet to small and large networks architectures. It is ideal for micro-segmenting large network into smaller networks, connecting subnets for improved performance, and enabling the bandwidth demanded for multimedia and imaging applications. **CS-2208G-8P** offers enterprise-grade features at a competitive price. In addition, it supports 2 SFP Ports are provided for connecting Mini GBIC 1000Base-SX/LX fiber optic modules. In network deployment, the **CS-2208G-8P** can provide network management and improve efficiency for your equipment and customers. 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. **Cerio PoE Switch** 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 802.3af PoE, IEEE 802.3at PoE+ standards.
- 8port 10/100/1000Mbps TX Auto-Negotiation Ethernet Switch, 8 Port Gigabit PSE / PoE function compliant with IEEE 802.3af class3 /class2/class1 and IEEE 802.3at class4 standards.
- Supports 2 Gigabit SFP uplink ports for connecting Mini GBIC 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 share for all 8 port of PoE ports.
- 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.
- Hardware is fanless design to reduce device power consumption.
- Supports Loop Prevention, including Loop Detection, Loop Prevention and Spanning Tree prevent loops from occurring effectively.
- 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 auto detect the MAC address, MAC Constraints advanced constraint function, auto learning and memory capabilities and 1.5Mb Packet Buffer size.
- Supports IEEE 802.1w Rapid spanning Tree Protocol ( RSTP ).
- Supports SNMP Trap notification setting function, In order to notify the administrator through the SNMP Trap function when the status of services or updates changes.
- Through the broadcast storm control function (Storm Control), you can set traffic limits to prevent broadcast storms from damaging your network.
- Supports Port mirroring function.
- Supports IEEE 802.1q Tag Based VLAN and 802.1q VLAN Port.
- Supports IEEE 802.3ad Link Aggregation Port trucking ( LACP ).
- Supports Static MAC designated VLAN and relative port binding transmission function, MAC filtering and blocking function, which can effectively prevent illegal or fake MAC attacks.
- Supports Port Isolation function to enhance network security.
- Supports Bandwidth Control.
- Provides IGMP v1/v2/v3 snooping function.
- Supports IEEE802.1p QoS with 4 Priority Queues and 8 Priority Weights, and Port- based QoS with 4 Priority Queues.
- Supports file backup and recovery.
- Web-based management interface.

## 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 802.3az 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

#### Surge Protection

6kV Surge Protection on RJ45 Port

#### 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
Per Unit: Power/SYS	x1

#### Internal Bus Speed

20Gbps/14.88Mpps

### Switch Specifications

#### Link Aggregation

IEEE 802.3ad LACP Link Aggregation Supported

#### Port Mirror

Supported

#### Quality of Service (QoS)

Supports IEEE 802.1p QoS, Port-based QoS

#### Spanning Tree Protocol

IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)

#### IGMP Snooping

Supported IGMP v1/v2/v3 Snooping function

#### VLAN

IEEE 802.1q Tag Based VLAN and 802.1q VLAN Port

### Environmental & Mechanical Characteristics

#### Power Type

160 Watt Internal Power Supply

#### PoE Power Budget

52V for 130Watt (shared) for all PoE ports

#### Power Consumption

52V for 10.5 Watt (max. with no PoE Device connected)

#### PoE Power Output

Up to 30W per port, 52V 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

250 x 181 x 44 mm

#### Unit Weight

1.42kg

#### Production Location

TW

#### 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

### SFP / SFP+ / RJ45 Copper Transceiver Module

#### 1.25Gbps/Gigabit SFP/RJ45 Series

Model No.	Photo	Description	Compatible Switch
SRJ-GT		1000BASE-T SFP Copper RJ45 Transceiver 100m	CS-1224G CS-2424G CS-2208G-8P CS-2424G-24P CS-3416G-16P CS-3424G-24P
SLC-GSXM		1.25Gbps SFP SX 850nm 550m LC Multi-Mode DDM	
SLC-GLXS10		1.25Gbps SFP LX 1310nm 10KM LC Single-Mode DDM	

#### 10Gbps SFP+/RJ45 Series

Model No.	Photo	Description	Compatible Switch
SRJ-10GT		10GBASE-T SFP+ Copper RJ45 Transceiver 30m	CS-2648XG CS-2648XG-48P
SLC-10GSRM		10GBASE-SR SFP+ 850nm 300m LC Multi-Mode DDM	
SLC-10GLRS10		10GBASE-LR SFP+ 1310nm 10KM LC Single-Mode DDM	
AOC-10G01		1M 10GBASE-T SFP+ to SFP+ Active Optical Cables Cable	