

CS-2208G-8P

8 Port 10/100/1000M Gigabit Web Managed PoE+ with 2 SFP Ports (180Watt Power)

EAN Code : 4712757159110



Introduction

CERIO CS-2000 Series Model: CS-2208G-8P is a latest A2 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**. This layer 2 Web Management switch includes a 180watts internal power supply and supports 140 Watt PoE Power budget, IEEE 802.1q Tag Based VLAN or Port Based VLAN, 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, IEEE 802.3at 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 IEEE 802.3at 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 180 Watts power supply supports a maximum PoE power budget of 140 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.
- Supports IEEE 802.1q Tag Based VLAN or Port Based VLAN. IEEE 802.3ad Link Aggregation Port trucking (LACP).
- Supports Bandwidth Control.
- Supports Port mirroring function.
- Provides IGMP 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



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
Per Unit: Max. PoE	x1
Per Unit: Power/SYS	x1

Internal Bus Speed

20Gbps

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

IGMP Snooping

Supported

VLAN

IEEE 802.1q Tag Based VLAN or Port Based VLAN

Environmental & Mechanical Characteristics

Power Type

180 Watt Internal Power Supply

PoE Power Budget

53V for 140Watt (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





CS-2208G-8P 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	