

CS-2208-8P

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

EAN Code : 4712757153101



Introduction

CS-2208-8P layer 2 Web Management switch supports Remote on/off control by PoE. CS-2208-8P is a powerful high-performance 8 port POE Fast Ethernet switch and **supports 2 combo Gigabit UTP/SFP uplink ports.** The model is compliant **with POE+ IEEE 802.3at and 802.3af standards, and defines new green power saving idea on the PSE Port.** CS-2208-8P can solve the limitation of the power outlet locations and offer the system relocation convenience

The CERIO's CS-2208-8P PoE+ Switch is designed for SMB deployment and can also be upgraded to 1U" chassis for standard rack mounting. 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-2208-8P supports a PoE power budget of 130 watt, enough to reliably power devices on all ports.

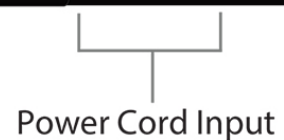
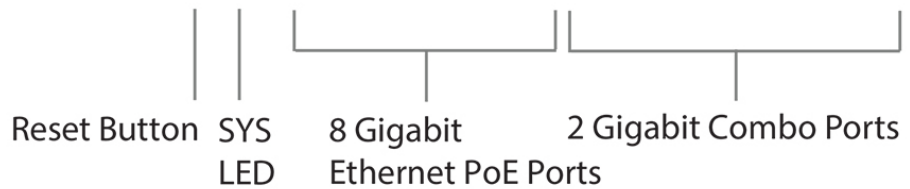
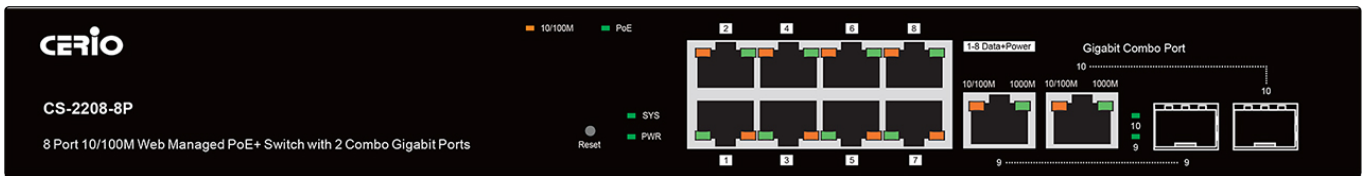
CS-2208-8P's hardware utilizes a metal housing and fan-less design, making it a durable and silent PoE solution for homes and businesses. Administrators using CS-2208-8P can meet the increasing management requirements when deploying Wireless AP or VoIP phone or IP Camera. Cerio's web-managed switches 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-802.3af PoE, IEEE802.3at POE+
- 8port 10/100Mbps TX Auto-Negotiation Ethernet Switch , Have 8 Port PSE/ PoE function, compliant with IEEE-802.3af class3 /class2/class1 and IEEE802.3at
- Supports 2 combo Gigabit UTP/SFP uplink ports and IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-SX/LX
- Supporting PoE+ Green power Management by Link up mode to auto detect the level class of Power device, budgets power output for each port. and Power down mode to auto detect no link/ standby of Power device
- Supporting the power up to 30Watt /15.4Watt /7.5Watt/4Watt for each PSE/PoE port
- Internal 160Watt power supply supports a maximum PoE power budget of 130 Watt
- Supports remote power budget control of PoE powered devices (PD), allowing web on/off/ restart control and supports monitoring of individual port PoE consumption (wattage)
- Supports PoE Control with scheduling capabilities and port-based control
- Supports PoE Power Priority per port with three priority options and support per port PoE power delay function

- Full/Half-Duplex capability on each TX port , Auto-learning networking configurations
- Supporting the flow control: back pressure for Half-duplex and IEEE 802.3x for Full-duplex mode
- Broadcast storm control and store & forward operation
- Non-blocking & Non-head-of-line blocking full-wire speed forwarding
- Supports TP interface Auto MDIX function for auto TX/RX swap
- Automatic Source MAC Address Learning and support users MAC Address scan per port and per device detection.
- Supports up to 4K MAC addresses and up to 2.75Mb buffer
- VLAN and IEEE802.1Q tag-base VLAN based on ports & VIDs; add/remove/modify tag
- IEEE802.3ad Link Aggregation Port trunking (supports 3 link groups)
- Provide IGMP v1/v2 snooping function 3 V4.0a
- Supports Class Quality of service (COS), port-based, 802.1q priority tag based, IP/DS port based, TCP/UDP port based
- Supports bandwidth control by port and Port Counter for tracking Transmitted/Received packets by port
- Supports DHCP Relay Agent
- Supports NTP network time synchronization function
- Per port MAC address base filtering , and TCP/UDP network protocol filtering
- Supports port mirroring and Spanning Tree (STP) and Rapid spanning Tree Protocol(RSTP)functions and Loop Detection functions.
- Supports file backup and recovery
- Supports Simple Network Management Protocol (SNMPv1/SNMP v2c) 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 (30 Watt PoE+)

Port Configuration

8ports RJ-45 connectors for 10/100 BASE-TX and PSE/ PoE function
 2 port Gigabit Combo SFP/ RJ-45

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

2.75Mb

Data Transfer Rate

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

Auto MDI/MDIX

Yes

LED Indicators

Fast ETH : Per Port:(Link / ACT): Status	x8
Fast ETH : PoE Status	x8
Gigabit Combo ETH : 10/100/1000M Speed	x2
Gigabit Combo SFP Link : Status	x2
Per Unit: (PWR)	x1
Per Unit: (SYS)	x1

Internal Bus Speed

5.6Gbps

Switch Specifications

Link Aggregation

up to 3 groups: ports 1-4, ports 5-8, and ports 9-10

Priority Queue

IEEE Class of Service (3 Queues)

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

v1 and v2

MAC Filter

Supported

DHCP Relay Agent

Supported

VLAN

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

SNMP

Supports SNMP v1/v2c

POE Scheduling Control

Supported

Environmental & Mechanical Characteristics

Power Type

160 Watt Internal Power Supply

PoE Power Budget

54V for 130Watt (shared) for all PoE ports

Power Consumption

12V for 9 Watt (max. with no PoE Device connected)

PoE Power Output

Up to 30W per port, 54V 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

Package Contents

Storage Humidity
10% to 90% non-condensing
Dimensions (W x H x D)
330 x 44 x 230 mm
Unit Weight
1.645kg
Certifications
FCC, CE, RoHS-Compliant

Contents	
CS-2208-8P Main Unit	x1
CD Manual	x1
Power Cord	x1
19" Rack Mount Brackets	x1
Warranty Card	x1