

## CS-2005G-4P

**5 Port 10/100/1000M Gigabit Web Managed Switch with 4 Port PoE+ ( 72Watt Power )**

EAN Code : 4712757159011



### Introduction

**CERIO CS-2000 Series Model: CS-2005G-4P** is a powerful high-performance 5 port 10/100/1000Mbps web managed switch and utilizes 4 ports compliant to IEEE 802.3at PoE+ and 802.3af PoE. This layer 2 Web Management switch bundles a 72watt power adapter and supports Remote on/off control of PoE power ports. Additional supported features include port base IEEE802.1Q VLAN Tagging, IGMP snooping, and IEEE802.1p port-based QoS prioritization. CS-2005G-4P can solve limitations of power outlet locations and offer system relocation convenience.

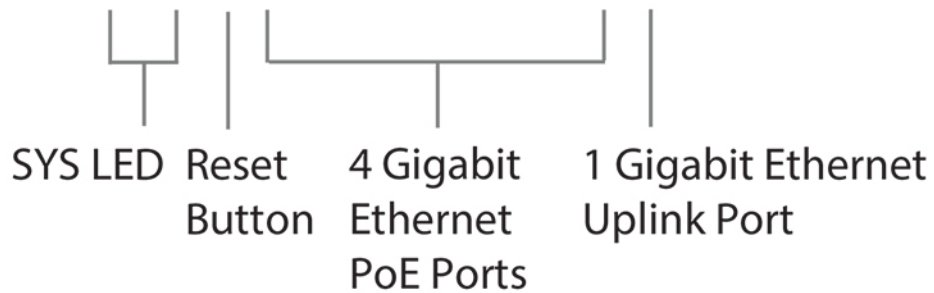
**CERIO's CS-2005G-4P PoE+ Switch** is designed for dispersing managed Power over Ethernet to small and medium sized networks architectures. It is ideal for micro-segmenting large network into smaller networks, connecting subnets for improved performance, and enabling the bandwidth demanded for multimedia 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 device provides easy installation, eliminates 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 802.3az EEE, IEEE-802.3af PoE, IEEE802.3at PoE+
- 5 port 10/100/1000Mbps TX Auto-Negotiation Ethernet Switch , 4 Port Gigabit PSE / PoE function compliant with IEEE-802.3af class3 /class2/class1 and IEEE802.3at class4
- Supports PoE Green Power Energy Saving function to automatically detect connected devices and smartly direct necessary output wattage to only those ports to achieve green power saving
- Supports power of up to 30Watt /15.4Watt /7.5Watt/4Watt for each PSE/PoE port
- Bundle 72watt power supply ,supports a maximum PoE power budget of 60 Watt (shared between 4 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
- 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 1Mb 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 )
- 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 Port Mirroring function
- Supports file backup and recovery
- Web-based management interface

### Hardware Overview



Power on/off Switch    DC Power Input

### Standards & Hardware Specifications

#### Network Standards Conformance

IEEE 802.3 10Base-T  
 IEEE 802.3u 100Base-TX,  
 IEEE 802.3ab 1000Base-T,  
 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

5 ports RJ-45 connectors for 10/100/1000 BASE-T and PSE/ PoE function.  
 (With 4 Ports PSE/PoE+ function)

#### Hardware Reset

Reset button for returning to factory settings

#### Hardware on /off

Power on/off switch

#### 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

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/Act): Status	x5
PoE : Status	x4
Max. PoE (PoE Load greater than 70% warning)	x1
Per Unit: Power	x1
Per Unit: (SYS)	x1

#### Internal Bus Speed

10Gbps

### 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

72 Watt External Power Adapter

#### PoE Power Budget

55V for 60Watt (shared) for all PoE ports

#### Power Consumption

55V for 6.2Watt (max. with no PoE Device connected)

#### PoE Power Output

Up to 30W per port, 55V DC

#### Power Requirement

AC 100~240 AC Power, 55V / 1.3A DC Input

#### 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

193 x 84 x 26 mm

#### Unit Weight

0.397kg

#### Certifications

FCC, CE, RoHS-Compliant

### Package Contents

#### Contents

<b>CS-2005G-4P</b> Main Unit	x1
CD Manual	x1
Power Adapter	x1
Warranty Card	x1