

## CS-2008G

### 8 Port 10/100/1000M Gigabit Web Managed Switch

EAN Code : 4712757159035



## Introduction

CERIO CS-2000 Series Model: **CS-2008G** is a powerful high-performance **8 port 10/100/1000Mbps layer 2 web managed switch**. This device **supports port base IEEE802.1Q VLAN Tagging Port base VLAN, IGMP snooping, IEEE802.1p port-based QoS, and Link Aggregation Control Protocol (LCAP)**. CS-2008G is a compact layer 2 desktop switch that provides reliable performance and easy management of auto-negotiation speeds.

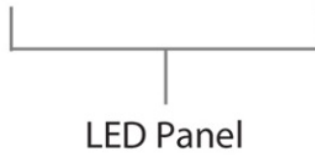
CERIO's CS-2008G Web Managed Switch is ideal for minimizing network downtime, connecting subnets for improved performance, and **enabling the bandwidth demanded for multimedia and imaging applications**. CS-2008G effectively reduces operational costs by allowing network administrators to remotely access and monitor their network, ultimately eliminating the need for constant on-site maintenance staff.

CS-2008G's layer 2 web managed design also increases network security by providing enhanced network control through port management and visible MAC table addresses/clients. This device's high feature and high performance design, paired with an easy to use web interface, effectively improves both network management and efficiency for small and medium sized applications.

## Highlight Features

- Complying with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3az EEE
- 8port 10/100/1000Mbps TX Auto-Negotiation Ethernet Switch
- 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
- Supports store & forward operations
- 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 Aging
- Provides 9K Jumbo frames to improve network utilization of a large file transfers
- Supports up to 8K MAC addresses
- Up to 1Mb Packet Buffer size
- VLAN and IEEE802.1Q tag-base VLAN based on ports & VIDs; add/remove/modify tag
- Supports bandwidth control to set control traffic limits (inflow and outflow) for each port
- IEEE802.3ad Link Aggregation Port trunking ( LACP ) and Port Mirroring
- Provides IGMP snooping function
- Supports IEEE802.1p-based QoS, Port-based QoS, and Scheduling Method for WRR
- Web-based management interface

## Hardware Overview



### Standards & Hardware Specifications

<b>Network Standards Conformance</b>	
IEEE 802.3 10Base-T	
IEEE 802.3u 100Base-TX,	
IEEE 802.3ab 1000Base-T	
IEEE 802.3az EEE	
IEEE 802.1p QoS	
IEEE 802.1Q VLAN Tag	
IEEE 802.3ad Link Aggregation	
<b>Port Configuration</b>	
8 ports RJ-45 connectors for 10/100/1000 BASE-T	
<b>Media Access Protocol</b>	
CSMA / CD	
<b>Network Media</b>	
10BASE –T: UTP Cat. 3 or up,	
100BASE-TX: UTP Cat. 5 or up,	
1000BASE-T: UTP Cat. 5 or up	
<b>Transmission Method</b>	
Store and Forward	
<b>MAC Address Table</b>	
8K	
<b>Built-in Buffer</b>	
1Mb	
<b>Jumbo Frame</b>	
9K	
<b>Data Transfer Rate</b>	
10/100/1000Mbps (Half-duplex),	
20/200/2000Mbps (Full-duplex)	
<b>Auto MDI/MDIX</b>	
Yes	
<b>LED Indicators</b>	
Per Port:(TX): Status	x8
Per Unit: Power	x1
<b>Internal Bus Speed</b>	
16Gbps	

### Switch Specifications

<b>Link Aggregation</b>	
IEEE802.3ad LACP Link Aggregation Supported	
<b>Port Mirror</b>	
Supported	
<b>Quality of Service (QoS)</b>	
Supports IEEE 802.1p QoS, Port-based QoS	
<b>Bandwidth Control</b>	
Supported	
<b>IGMP Snooping</b>	
IGMP Snooping v1, v2	
<b>VLAN</b>	
IEEE802.1Q Tagging VLAN , Port-Based ,Tag based VLAN	

### Environmental & Mechanical Characteristics

<b>Power Consumption</b>	
4 Watts	
<b>Power Type</b>	
DC-Jack : for bundled External Power adapter	
<b>Power Requirement</b>	
100~240 AC Power, External 5 VDC 1A DC Input	
<b>Operating Temperature</b>	
0° to 40° C	
<b>Storage Temperature</b>	
-40° to 70° C	
<b>Operating Humidity</b>	
10% to 90% non-condensing	
<b>Storage Humidity</b>	
5% to 90% non-condensing	
<b>Dimensions ( W x H x D )</b>	
155 x 85 x 26 mm	
<b>Unit Weight</b>	
330g	
<b>Certifications</b>	
FCC, CE, RoHS-Compliant	

### Package Contents

<b>Contents</b>	
CS-2008G Main Unit	x1
CD Manual	x1
Power Adapter	x1
Warranty Card	x1