

## CS-1008XG

### 8 SFP+ 10Gigabit Port Fiber Optical Switch

EAN Code : 4712757150339

## Introduction

**CERIO CS-1008XG** is a high-performance **8-port SFP+ 10G fiber switch, offering 8 SFP+ 10Gbps slots**. It supports high-speed 10Gbps connections via fiber or copper optical module, making it suitable for network environments that require high bandwidth and low latency. This switch effectively enhances network performance and meets the demands of modern networking.

The **CS-1008XG** is an ideal solution for small businesses or office environments, providing high-speed internal network connectivity that significantly enhances data transfer efficiency. It ensures smooth file access and sharing between servers, NAS, and workstations. It's also suitable for distributed terminal area of a large network architectures, not only as the final 10G high-speed access device, but also as the backbone network switch between regions. It's fully meet the high-bandwidth requirements of the new generation of multimedia and image transmission, and allow small businesses and professional users to easily upgrade to 10G high-speed networks at a competitive price.

The **CS-1008XG** provides **8 SFP+ slots, supporting connections for Mini GBIC 10G SFP+, 1G SFP fiber optical modules, or 10G and 1G RJ45 copper modules**, offering flexibility for administrators in configuration. In addition to providing long-distance IP fiber device connections, its hardware backplane **bandwidth capacity reaches up to 160Gbps**, which not only enhances the overall system stability but also allows for easy interlinking of multiple switches through the 10G ports, expanding the overall fiber integration capability.



The **CS-1008XG** is especially suitable for fiber-based central integration of endpoint switches, providing a perfect solution for the deployment of long-distance IP surveillance cameras at the central site. This switch ensures high-speed connectivity and non-blocking packet data forwarding, making it ideal for critical applications such as IP surveillance systems. It's typically used as the fiber integration core switch for medium to large network systems, and is well-suited for scenarios such as small to medium-sized data centers, campus networks, enterprise networks, and high-speed long-distance fiber data transmission.

## Highlight Features

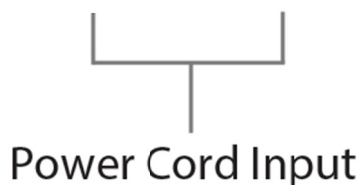
- Complying with 802.3z 1000Base-SX/LX (SFP), IEEE 802.3ae 10GBASE-X (SFP+) and IEEE 802.3x Flow Control standards.
- Supports 8-port 10G SFP+ / 1G SFP fiber slots for high-speed 1G/10G RJ45 copper module connections and Mini GBIC SFP/SFP+ fiber optical module connections, ideal for long-distance network applications.
- Supports 1G/10G fiber network transmission capabilities.
- Supports Surge Protection 6Kv and ESD Protection design.
- Provides 10K Jumbo frames to improve network utilization of a large file transfers.
- Supports Store & Forward architecture and performs forwarding and filtering.

- IEEE802.3x flow control for Full-duplex, Back Pressure function for Half-duplex operation.
- Non-blocking & Non-head-of-line blocking full-wire speed forwarding.
- Automatic Source MAC Address Learning and Aging.
- Supports hardware loop detector (LED Loop Detectors) functionality. The system can quickly display LED differences for any port that generates a loop, making the troubleshooting process simple and easy to manage.
- Hardware supports Loop Automatic Protection functionality, which prevents broadcast storms and

network paralysis caused by loops. This feature automatically detects and isolates the port generating the loop, ensuring that it does not affect other normal ports. Once the loop issue is resolved, the system will automatically restore the isolated security mechanism within 30 to 60 seconds.

- Supports up to 16K MAC addresses and up to 12Mb buffer memory.
- Supports Internal Bus Speed up to 160Gbps.
- Comes with a 19-inch rackmount kit, making it easy to deploy in various network environments and ensuring stable and efficient network connections.

## Hardware Overview



### Standards & Hardware Specifications

#### Network Standards Conformance

IEEE 802.3z 1000Base-SX/LX (SFP)

IEEE 802.3ae10GBASE-X (SFP+)

IEEE 802.3x Flow Control

#### Port Configuration

8 ports 10G SFP+ Slots

#### Surge Protection

General 6KV , Difference 2KV

#### ESD Protection

Air : 15KV , Contact : 8KV

#### Media Access Protocol

CSMA / CD

#### Network Media

Single-mode : 20/40/60/80/100KM

Multi-mode : 550M

#### Transmission Method

Store and Forward

#### MAC Address Table

16K

#### Built-in Buffer

12Mb

#### Jumbo Frame

10K

#### Data Transfer Rate

1G/10G (Half-duplex),

2G/20G (Full-duplex)

#### LED Indicators

1G Per Port: Link/ACT (Green) x 8

10G Per Port: Link/ACT (Orange) x 8

Per Unit: System Status x 1

Per Unit: PWR Status x 1

#### Internal Bus Speed/Exchange Rate

160Gbps/119.04Mpps

### Environmental & Mechanical Characteristics

#### Power Consumption

≤ 35 Watts

#### Power Type

Power cord: Internal Power supply

#### Power Requirement

AC 100~240VAC, 50-60Hz Auto-sensing

#### Operating Temperature

0° to 55° C

#### Storage Temperature

-40° to 70° C

#### Operating Humidity

10% to 90% non-condensing

#### Storage Humidity

5% to 90% non-condensing

#### Dimensions ( W x H x D )

250 x 187 x 44 mm

#### Unit Weight

1.4kg

#### Production Location

TW

#### Certifications

FCC, CE, BSMI, RoHS-Compliant

### Package Contents

#### 內容

CS-1008XG Main Unit x1

Quick Installation Guide Booklet x1

Power Cord x1

19" Rack Mount Brackets x1

Warranty Card x1

## SFP / SFP+ / RJ45 Copper Transceiver Module

### 1.25Gbps/Gigabit SFP/RJ45 Series

| Model No.  | Photo                                                                             | Description                                    |
|------------|-----------------------------------------------------------------------------------|------------------------------------------------|
| SRJ-GT     |  | 1000BASE-T SFP Copper RJ45 Transceiver 100m    |
| 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                                           |
|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------|
| SRJ-10GT     |    | 10GBASE-T SFP+ Copper RJ45 Transceiver 30m            |
| 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 |
| AOC-10G03    |  | 3M 10GBASE-T SFP+ to SFP+ Active Optical Cables Cable |