

## CS-1008TG

### 8 Port 10Gigabit Ethernet Switch

EAN Code : 4712757150308

## Introduction

**CERIO CS-1008TG is a 10G high-performance Ethernet switch that supports 8 Ethernet ports** and is designed for high-bandwidth, low-latency applications such as enterprises, small and medium offices, workstations, local area networks and home entertainment.

**CS-1008TG** provides high-speed internal network connection for small businesses or office environments to improve data transmission efficiency and ensure smooth file access and sharing between servers, NAS, and workstations. In addition, it can be deployed in the distributed terminal area of a large network architecture, 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. **CS-1008TG** supports plug-and-play and various network protocols, making device installation easier and faster. Each port supports Auto-MDI/MDIX functionality, which can automatically detect straight-through or crossover cable connections to ensure compatibility. The built-in Auto-Negotiation traffic modulation technology automatically detects connected devices and intelligently adjusts to 100M, 1G, 2.5G, 5G, or 10Gbps operation modes based on the device specifications, ensuring optimal performance.



**CS-1008TG** provides non-blocking and non-head-of-line blocking full-line speed transmission technology to ensure that data are transmitted more smoothly and efficiently. In a 10G environment, **CS-1008TG provides a total bandwidth up to 160Gbps**, greatly improving network performance and transmission efficiency. It is an ideal choice for optimizing enterprise-level and high-performance application network environments.

## Highlight Features

- Complying with IEEE 802.3u 100Base-TX, IEEE 802.3z 1000Base-X, IEEE 802.3bz 2.5G/5G BASE-T, IEEE 802.3an 10G BASE-T standards.
- 8 ports 100M/1G/2.5G/5G/10G Auto-Negotiation Ethernet Switch.
- Supports 100M/1G/2.5G/5G/10G Ethernet connection ability.
- Supports Surge Protection 6Kv and ESD Protection design.
- Half/Full-duplex capability on each TX port Auto-learning networking configurations.
- 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.
- Supports TP interface Auto MDIX function for auto TX/RX swap.
- 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 12 Mb buffer memories.
- 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



LED

8 x 10Gigabitb RJ45 Ports



Power Cord Input

### Standards & Hardware Specifications

#### Network Standards Conformance

IEEE 802.3u 100Base-TX  
IEEE 802.3ab 1000Base-T  
IEEE 802.3bz 2.5G/5G BASE-T  
IEEE 802.3an 10G BASE-T  
IEEE 802.3x Flow Control

#### Port Configuration

8 ports RJ-45 10G connectors

#### Surge Protection

General 6KV , Difference 2KV on RJ45/Power

#### ESD Protection

Air : 15KV , Contact : 8KV

#### Media Access Protocol

CSMA / CD

#### Network Media

100BASE-TX: UTP Cat. 5 or up  
1000BASE-T: UTP Cat. 5e or up  
2.5G /5GBASE-T: UTP Cat. 5e or up  
10GBASE-T : UTP Cat. 6a or up

#### Transmission Method

Store and Forward

#### MAC Address Table

16K

#### Built-in Buffer

12Mb

#### Jumbo Frame

10K

#### Data Transfer Rate

100M/1G/2.5G/5G/10G (Half-duplex),  
200M/2G/5G/10G/20G (Full-duplex)

#### Auto MDI/MDIX

Yes

#### LED Indicators

100M/1G Per Port: Link/ACT (On RJ45 Right/Green) x 8  
2.5G Per Port: Link/ACT (On RJ45 Right/Orange) x 8  
5G Per Port: Link/ACT (On RJ45 Left/Green) x 8  
10G Per Port: Link/ACT (On RJ45 Left/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 181 x 44 mm

#### Unit Weight

1.3kg

#### Production Location

TW

#### Certifications

FCC, CE, BSMI, RoHS-Compliant

### Package Contents

#### 內容

CS-1008TG Main Unit	x1
Quick Installation Guide Booklet	x1
Power Cord	x1
19" Rack Mount Brackets	x1
Warranty Card	x1