

## CS-1224XG

**24 Port 10/100/1000M Gigabit Switch with 2 SFP 10G Ports**

EAN Code : 4712757159301



### Introduction

CERIO CS-1224XG is a high-performance 10/100/1000 Mbps 24 port Gigabit Ethernet Switch with 2 SFP 10G Ports. The CS-1224XG connectivity is ideal for deployment in SME/SMB core environments. Provide cost-effective powered solutions for modern enterprise businesses.

The CS-1224XG Gigabit Switch equips with 2 SFP 10G ports as uplink ports. This 10G uplink design provides an excellent solution to expand your network. Also provides high flexibility and enabling the bandwidth demanded for multimedia and imaging applications. Users can use 10Gb ports Trunk Switch upgrade bandwidth up to 20Gbps. Moreover, the 10/100/1000 Mbps Auto-Sensing ability provides an easy way to migrate Gigabit network without pain. By integrating both data transmitting cable and power cord, the hassle of constructing your network can be eliminated, allowing you to easily connect your wired LAN network.

The CS-1224XG defines new green power saving idea in all Ports. Using the 802.3az Energy Efficient Ethernet standard, the network will automatically decrease the power usage when traffic is low with no setup required. It can solve the limitation of the network local LAN and offer the system relocation easily Plug & play and all kinds of network protocols compilation make the installation of the device both simple and quick.

CS-1224XG with auto-MDI/MDI-X support, there is no need for any crossover cables when you connect the device to a computer, or even another switch. In addition, the auto-negotiation function auto-senses and adjusts the connected devices whether they are running at 10Mbps, 100Mbps, or 1000Mbps.

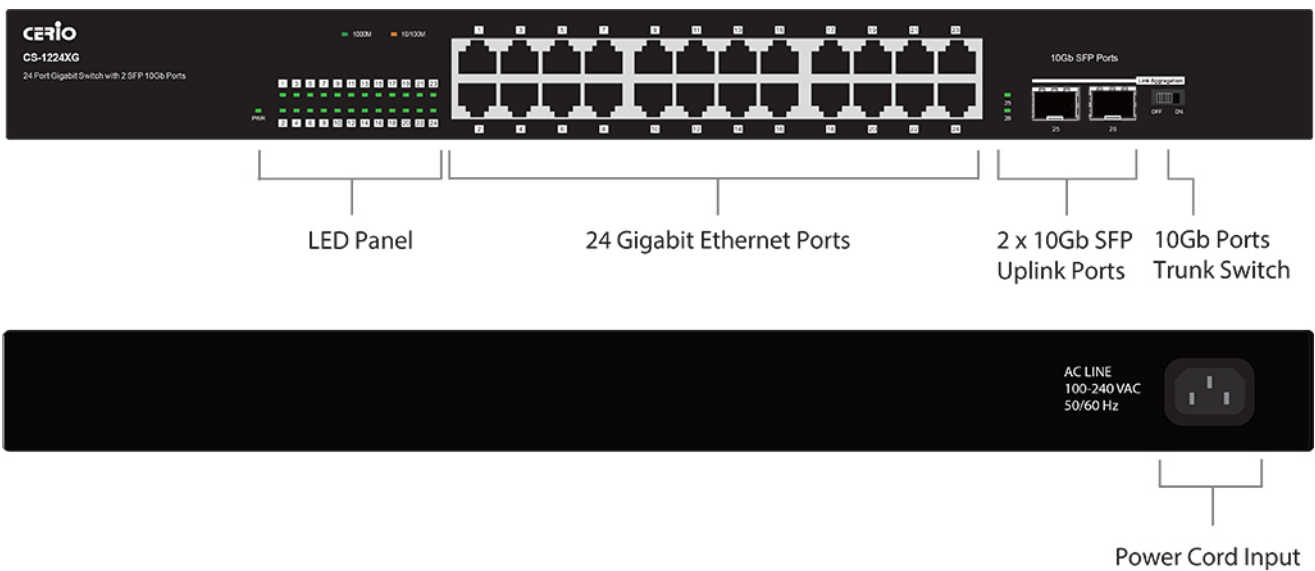
CS-1224XG hardware utilizes a metal housing designed for SMB deployment and can also fit to 1U" chassis for standard rack mounting. Moreover, the fan-less design, making it a durable and silent powerful Gigabit solution for businesses.

### Highlight Features

- Complying with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X , IEEE802.3az specifications, IEEE802.3ae 10G Fiber
- 24 Port 10/100/1000Mbps TX Auto-Negotiation Ethernet Switch
- Supports 2 SFP 10G Fiber uplink ports for IEEE 802.3ae 10G SFP-SR, SFP-LR, SFP-ER
- Supports Energy-Efficient Ethernet (EEE) , IEEE 802.3az standard
- Supports Green Ethernet features, Link-On and Cable Length Power Saving, Link-Down Power Saving, Power saving mode support to automatic cable detection
- Half/Full-duplex capability on 10/100/1000M each TX port Auto-learning networking configurations

- Supports Store & Forward architecture and performs forwarding and filtering
- IEEE802.3x flow control for Full-duplex, Back Pressure function for Half-duplex operation
- Provides 10K Jumbo frames to improve network utilization of a large file transfers
- 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 up to 16K MAC addresses and Up to 12Mb buffer memory

## Hardware Overview



### Standards & Hardware Specifications

#### Network Standards Conformance

IEEE 802.3 10Base-T  
 IEEE 802.3u 100Base-TX,  
 IEEE 802.3ab 1000Base-T  
 IEEE802.3ae 10G Fiber  
 IEEE 802.3x Flow Control  
 IEEE 802.3az EEE

#### Port Configuration

24 ports RJ-45 connectors for 10/100/1000 BASE-TX  
 2 ports SFP 10G Fiber uplink

#### 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

#### 20Gbps Trunk Switch

10GbE ports to trunk switch for on/off

#### Support 10G Fiber Type

SFP-SR, SFP-LR, SFP-ER

#### Transmission Method

Store and Forward

#### MAC Address Table

16K

#### Built-in Buffer

12Mb

#### Jumbo Frame

10K

#### Data Transfer Rate

10/100/1000Mbps (Half-duplex),  
 20/200/2000Mbps (Full-duplex)  
 10Gbps /10000Mbps (Full-duplex)

#### Auto MDI/MDIX

Yes

#### LED Indicators

Per Port : Link/ACT Status x24  
 SFP 10Gb Port: Status x2  
 Per Unit: (PWR) x2

#### Internal Bus Speed

68Gbps

### Environmental & Mechanical Characteristics

#### Power Consumption

7.8 Watts

#### Power Type

Power cord: Internal Power supply

#### 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

#### Storage Humidity

10% to 90% non-condensing

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

441 x 190 x 44 mm ( 19 inch)

#### Unit Weight

2.52kg

#### Certifications

FCC, CE, RoHS-Compliant

### Package Contents

#### Contents

CS-1224XG Main Unit	x1
Power Cord	x1
Quick Installation Guide Booklet	x1
19" Rack Mount Brackets	x1
Warranty Card	x1