

CS-2424G

24 Port 10/100/1000M Gigabit Web Managed Switch with 4 SFP Ports

EAN Code : 4712757152906



Introduction

CERIO CS-2000 Series Model: **CS-2424G** is a powerful high-performance **4 SFP Gigabit with 24 port 10/100/1000Mbps web managed switch** and supports Remote control and management through a web-based User Interface. This Layer 2 Web Managed switch supports Spanning Tree / Rapid Spanning Tree protocol, Port base IEEE802.1Q VLAN Tagging, IGMP snooping, IEEE802.1p port-based QoS, and Bandwidth control / Loop Detection. CS-2424G's high performance gigabit design provides reliable performance and allows for easy management of auto-negotiation speeds.

The CERIO CS-2000 Series **CS-2424G** 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-2424G** 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-2424G'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 medium and large sized applications.

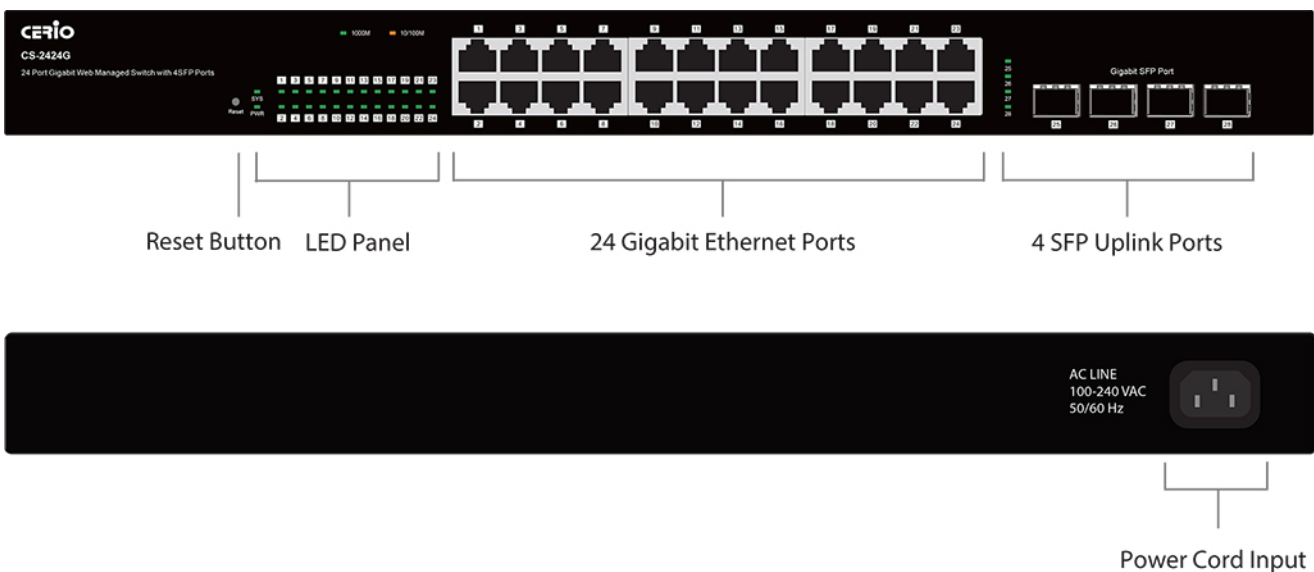
CS-2424G is a feature packed web managed gigabit switch, providing enterprise grade function at a competitive price point. Deploying CS-2424G in your network can provide network organization and improved efficiency for your devices and clients. CERIO's web-managed switches offer convenient configuration which ultimately provides premium performance, easy installation, and is sure to meet the increasing demands of growing networks.

Highlight Features

- Complying with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-SX/LX, IEEE 802.3az EEE.
- 24 port 10/100/1000Mbps TX Auto-Negotiation Ethernet Switch.
- Supports 4 Gigabit SFP uplink ports and MiniGBic1000Base-SX/LX.
- Full/Half-Duplex capability on each TX port, Auto-learning networking configurations.
- Supports store & forward operation.
- Supporting the flow control: back pressure for Half-duplex and IEEE 802.3x for Full-duplex mode.
- Non-blocking & Non-head-of-line blocking full-wire speed forwarding.
- Supports network interface Auto MDIX function for auto TX/RX swap.
- Automatic Source MAC Address Learning and Aging.

- Provides 9.6K Jumbo frames to improve network utilization of a large file transfers.
- Supports up to 8K MAC addresses.
- Up to 4Mb Packet Buffer size.
- VLAN and IEEE802.1Q tag-base VLAN based on ports & VIDs; add/remove/modify tag.
- Supports Voice VLAN / MAC VLAN and GVRP.
- Supports Broadcast / multicast / unknown unicast storm control.
- Provides IGMP snooping v1/v2/v3 function and supports MLD snooping and MVR.
- IEEE802.3ad Link Aggregation LACP.
- Supports Bandwidth Control with KB/s size control.
- Supports 802.1x protocol to support CHAP, EAP mode and port/MAC based network access control.
- Supports RADIUS/TACACS+ and AAA Certificate function.
- Supports MAC Table Management.
- Supports MAC/IPv4 and IPv6 ACL security management.
- Supports DoS (Denial of Service) Defense for enhanced network security.
- Link Layer Discovery Protocol (LLDP) and LLDP-MED.
- Supports DHCP Snooping function to prevent access by unauthorized hosts and DHCP servers and supports DHCP Option 82 provides additional security.
- Each port supports limiting the number of MAC Addresses with IP and MAC address Binding.
- Supports QoS Quality of Service, Port-based QoS bandwidth management, 802.1q priority Tag based with 8 priority Queues and 8 Weights.
- Supports bandwidth control to set control traffic limits (inflow and outflow) for each port.
- Supports Port Mirroring function.
- Supports Spanning Tree Protocol (STP) and Rapid Spanning Tree Protocol (RSTP).
- Supports proxy DNS Server and NTP network time synchronization function.
- Supports Event Log, Alarm Log, Security Log, Network Log, and Protocol Log.
- Supports web-based HTTP web management user interface and supports SNMP v1/v2c/v3.
- Supports GUI display for monitoring network data status by port, traffic analysis by port, and device CPU and Memory loading for convenient administrative network analysis and management.

Hardware Overview



Standards & Hardware Specifications

Network Standards Conformance

IEEE 802.3 10Base-T
 IEEE 802.3u 100Base-TX,
 IEEE 802.3ab 1000Base-T,
 IEEE 802.3z 1000Base-SX/LX
 IEEE 802.3x Flow Control
 IEEE 802.1p QoS
 IEEE 802.3az EEE
 IEEE 802.1Q VLAN Tag
 IEEE 802.3ad Link Aggregation

Port Configuration

24 ports RJ-45 connectors for 10/100/1000 BASE-TX
 4 SFP Gigabit Uplink Ports

Hardware Reset

Reset button for returning to factory settings

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

8K

Built-in Buffer

4Mb

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 / Activity Status	x24
SFP Port: Connection Status	x 4
Per Unit: (PWR)	x 1
Per Unit: (SYS)	x 1

Internal Bus Speed

56Gbps

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

Bandwidth Control

Supported

Spanning Tree(STP)

Supported

Rapid Spanning Tree(RSTP)

Supported

IGMP Snooping

Supports v1, v2, v3 and MVR

ACL

Supports IPv4 / IPv6 and MAC Management

DHCP

Supports DHCP Snooping / DHCP Option 82

VLAN

IEEE802.1Q Tagging VLAN ,Port-Based ,Tag based VLAN

SNMP

Supports SNMP v1/v2c/v3

Authentication Security Protocol

Supports RADIUS / TACACS+ and AAA

Virtual Network Management VLAN

Supports Voice VLAN / MAC VLAN and GVRP

Port Security Management

Supports Broadcast / multicast / unknown unicast storm control

Environmental & Mechanical Characteristics

Power Consumption

18 Watts

Power Type

Power cord: Internal Power supply

Power Requirement

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

Operating Temperature

0° to 50° C

Storage Temperature

-40° to 70° C

Operating Humidity

10% to 90% non-condensing

Storage Humidity

10% to 90% non-condensing

DATA SHEET

WEB MANAGED WIRED SWITCH SERIES

Package Contents

Dimensions (W x H x D)
441 x 200 x 44 mm
Unit Weight
2.45kg
Production Location
TW or CN
Certifications
FCC, CE, RoHS-Compliant

Contents	
CS-2424G Main Unit	x1
CD Manual	x1
Power Cord	x1
19" Rack Mount Brackets	x1
Warranty Card	x1