

CS-2424G

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

EAN Code : 4712757152906



Introduction

CERIO CS-2000 Series Model: CS-2424G latest A3 version is a powerful high-performance **4 Combo 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 IEEE 802.1Q VLAN Tagging, IGMP snooping, IEEE 802.1p port-based QoS, and Bandwidth control / Loop Detection. **CS-2424G** A3 version with high performance gigabit design provides reliable performance and allows for easy management of auto-negotiation speeds.

The **CS-2424G** A3 version Web Managed Switch is ideal for minimizing network downtime, connecting subnets for improved performance, and enabling the bandwidth demanded for multimedia and imaging applications. The **CS-2424G** A3 version 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** A3 version'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.

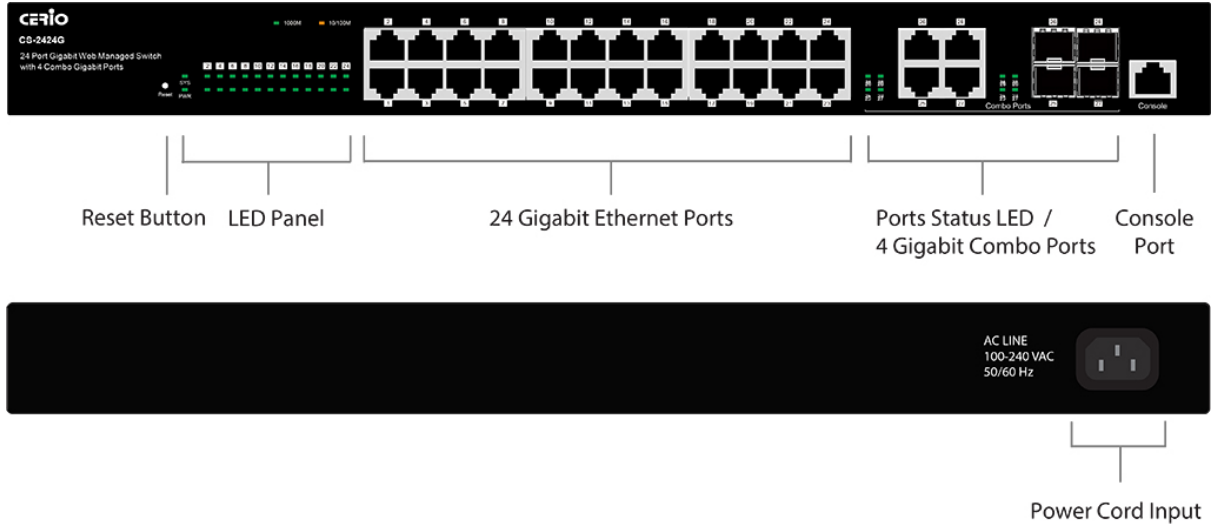
CS-2424G A3 version is a feature packed web managed gigabit switch, providing enterprise grade function at a competitive price point. Deploying **CS-2424G** A3 version in your network can provide network organization and improved efficiency for your devices and clients. CERIO's web-managed switches offer 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 standards.
- Supports 24 port 10/100/1000Mbps TX Auto-Negotiation Ethernet Switch.
- Supports 4 Combo Gigabit UTP/SFP uplink ports for high-speed RJ45 Gigabit Uplink and MiniGBIC 1000Base-SX/LX fiber uplink for long-distance network applications.
- 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.
- Firewall Dos supports POD, LAND, UDP Blat, TCP Blat, Null /X-Man Scan Attack, TCP SYN-FIN/SYN-RST Attack, Smurf Attack and other defense function.
- Link Layer Discovery Protocol (LLDP).
- Supports Dual Image function, which can shorten the downtime during the switch firmware upgrade or downgrade, and supports Active firmware image, Backup firmware image security backup mechanisms.
- 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) and Multiple Spanning Tree Protocol (MSTP).
- Support proxy DNS server, SNTP time server network time synchronization function, it can automatically adjust the host to update the time, easy to understand the problem and restore.
- Supports Event Log, Alarm Log, Security Log, Network Log, and Protocol Log.
- Supports file backup and recovery.
- Software management service supports setting Console / Telnet / SSH / HTTP /HTTPS/SNMP.
- 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.
- Supports web-based HTTP web management user interface and supports SNMP v1/v2c/v3.

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 Combo Gigabit Ports (RJ45 / SFP)
- 1 RJ45 Console Port

Hardware Reset

- Reset button for returning to factory settings

Surge Protection

- Support 6kV surge protection on RJ45 port

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

- 9.6K

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
- Gigabit Combo Port: RJ45 Connection Status x 4
- Gigabit Combo Port: SPF 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
Multiple Spanning Tree Protocol (MSTP)	Supported
IGMP Snooping	Supports v1, v2, v3 and MVR
ACL	Supports IPv4 / IPv6 and MAC Management
DHCP	Supports DHCP Snooping / DHCP Option 82 / Option82 Circuit ID
IPv6 Management Function	Supports IPv6 Internet Protocol, IPv6 Auto-configuration mechanism and DHCPv6 Client
Dual Image Function	Supports Dual image, Active firmware image and Backup firmware image
SNTP Time Server	Supported
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	6.5 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
Dimensions (W x H x D)	441 x 195 x 44 mm
Unit Weight	2.6kg
Production Location	TW or CN
Certifications	FCC, CE, RoHS-Compliant

Package Contents




Contents	
CS-2424G Main Unit	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	Compatible Switch
SRJ-GT		1000BASE-T SFP Copper RJ45 Transceiver 100m	CS-1224G CS-2424G CS-2208G-8P CS-2424G-24P CS-3416G-16P CS-3424G-24P
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	Compatible Switch
SRJ-10GT		10GBASE-T SFP+ Copper RJ45 Transceiver 30m	CS-2648XG CS-2648XG-48P
SLC-10GSRM		10GBASE-SR SFP+ 850nm 300m LC Multi-Mode DDM	
SLC-10GLRS10		10GBASE-LR SFP+ 1310nm 10KM LC Single-Mode DDM	