CERIO

Amplify your Wireless Network

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.
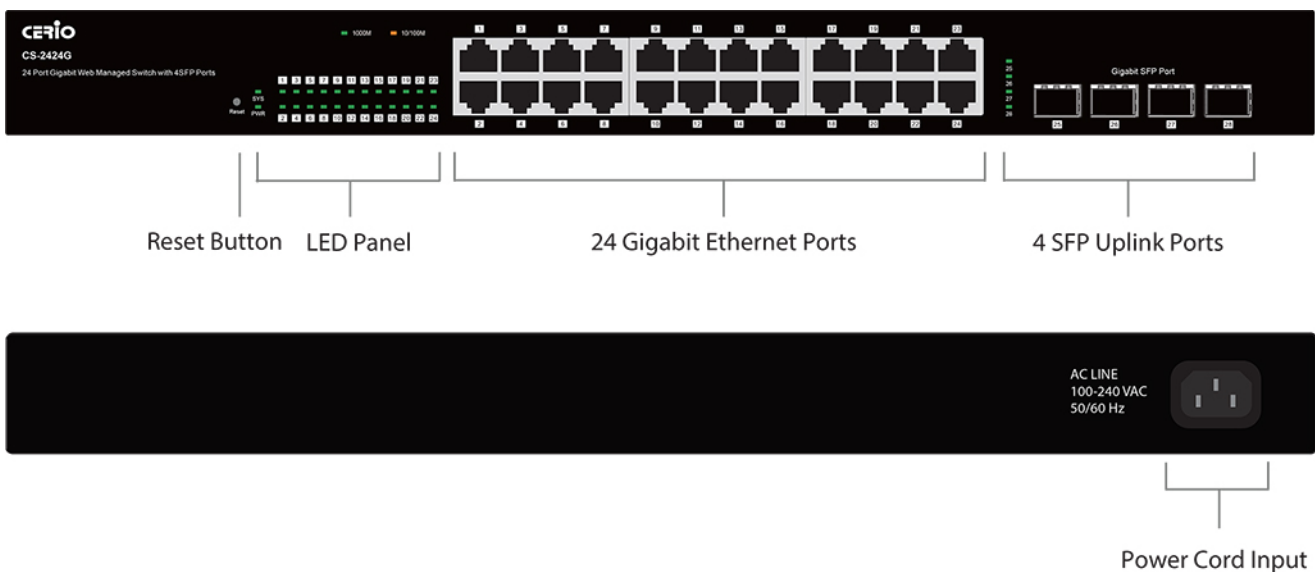
CS-2424G is a feature packed web managed gigabit switch, providing enterprise grade function at a competitive price point. Deploying CS-2424G in your network can provide network organization and improved efficiency for your devices and clients. CERIO's web-managed switches offer convenient configuration 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

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- Automatic Source MAC Address Learning and Aging
- Provides 9K 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
- IEEE802.3ad Link Aggregation LACP
- Provides IGMP v2/v3 snooping function
- 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 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
- Each port supports limiting the number of MAC Addresses with IP and MAC address Binding

- Supports Access Control List (ACL) for MAC and IP Address filtering
- 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

Reset Button   LED Panel   24 Gigabit Ethernet Ports   4 SFP Uplink Ports

AC LINE
100-240 VAC
50/60 Hz

Power Cord Input

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
Support v2, v3
MAC Filter
Supported
DHCP Snooping
Supported
VLAN
IEEE802.1Q Tagging VLAN , Port-Based ,Tag based VLAN
SNMP
Supports SNMP v1/v2c/v3

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

Package Contents

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