

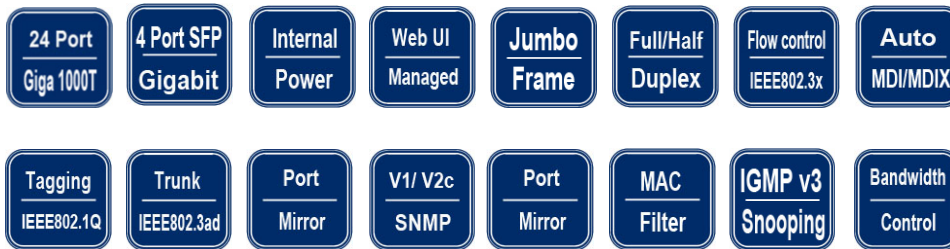


CS-2424G

CS-2000 Series –

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

EAN Code : 4712757152906



CERIO CS-2000 Series Model: **CS-2424G** is a powerful high-performance 4 SFP Gigabit 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.

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
- 24port 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 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 v1/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
- 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

Specifications

Standards & Hardware Specifications

Standards Conformance	<p>IEEE 802.3 10Base-T</p> <p>IEEE 802.3u 100Base-TX,</p> <p>IEEE 802.3ab 1000Base-T,</p> <p>IEEE 802.3z 1000Base-SX/LX</p> <p>IEE 802.3x Flow Control</p> <p>IEEE 802.1p QoS</p> <p>IEEE 802.3az EEE</p> <p>IEEE 802.1Q VLAN Tag</p> <p>IEEE 802.3ad Link Aggregation</p>
Port Configuration	<p>24 ports RJ-45 connectors for 10/100/1000 BASE-TX</p> <p>4 SFP Gigabit uplink ports</p>
Media Access Protocol	<p>CSMA / CD</p>
Network Media	<p>10BASE –T: UTP Cat. 3 or up,</p> <p>100BASE-TX: UTP Cat. 5 or up,</p> <p>1000BASE-T: UTP Cat. 5 or up</p>
Transmission Method	<p>Store and Forward</p>
MAC Address Table	<p>8K</p>
Built-in Buffer	<p>4Mb</p>
Data Transfer Rate	<p>10/100Mbps (Half-duplex), 20/200Mbps (Full-duplex)</p>

	1000Mbps (Half-duplex), 2000Mbps (Full-Duplex)
Jumbo Frames	9k Jumbo Frames Support
Auto MDI/MDIX	Yes
	Per Port:(Link / ACT): Status*24,
	Per Unit: Power*1,
LED Indicators	Per Unit: System*1,
	Per Unit: SFP Port Status*4
Internal Bus Speed	56Gbps

Switch Specifications

Link Aggregation	IEEE802.3ad LACP Link Aggregation Supported
Port Mirroring	Supported
Quality of Service (QoS)	Supports IEEE 802.1p QoS, Port-based QoS
Bandwidth Control	Supported
Spanning	Spanning Tree Protocol (STP), Rapid Spanning Tree Protocol (RSTP)
IGMP Snooping	v1, v2, v3
MAC Filtering	Supported
DHCP Snooping	Supported
VLAN	IEEE802.1Q Tagging VLAN , Port-Based ,Tag based VLAN
SNMP	Supports SNMP v1/v2c

Environmental & Mechanical Characteristics

Power Consumption	18Watt
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
Dimension (W x D x H)	441 x 200 x 44 mm
Weight	2.45Kg
Certification	FCC, CE, RoHS-compliant

Package Content

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