

CS-RG528-4C-24F-2A (Preliminary)

28-port 19" Managed Layer 2 Full Gigabit Ethernet Fiber Switch



The CS-RG528-4C-24F-2A is full Gigabit Ethernet Switch with 24 dual-speed SFP slots and 4 combo uplink ports (10/100/1000Mbps RJ-45 + 100/1000Mbps SFP slots), perfect for upgrading an existing network to a full Gigabit Speed Infrastructure; a full Gigabit network provides higher throughput than legacy Fast Ethernet network. The CS-RG528-4C-24F-2A reduces the response time for timing sensitive applications which may be mix of video, voice, and data stream in the traffic flow. With the powerful S/W and H/W features, the CS-RG528-4C-24F-2A prioritize, partition and optimize user's network while provide reliable and quality services. The CS-RG528-4C-24F-2A switch is suitable for access level network connection.



Key features

- ▶ 28 / 24 100/1000 Based SFP (SX/LX/LHX) ports plus 0 / 4 Gigabit RJ45 Copper ports
- ▶ Support 9K Jumbo frames
- ▶ Layer 2 Line-Speed Switching Fabric, non-blocking
- ▶ Network redundancy LACP, Spanning Tree Protocol, STP, RSTP
- ▶ Support Private VLAN, IEEE 802.1Q Tag-based VLAN, QinQ
- ▶ Support IGMP v1/v2/v3 snooping
- ▶ Redundant Power Input 100/240 VAC, 50Hz ~ 60Hz
- ▶ SNMP v1/v2c
- ▶ 0~50°C operating temperature
- ▶ Support IPV4/V6

Specification

Ethernet

Operating Mode	Store and Forward, L2 wire-speed/non-blocking switching engine
MAC addresses	16K
Packet Buffer	1.5 Mbits
Jumbo frame	9K
Switching Fabric / Back Plane	56Gbps

RJ45 Copper ports

Speed	10/100/1000 Mbps
MDI/MDIX Auto-crossover	Support straight or cross wired cables
Auto-negotiation/Duplex	10/100/1000 Mbps speed auto-negotiation; Full & Half Duplex

Fiber Ports

Port Types supported	100/1000 Base SFP Slot
Fiber port connector	LC/RJ45 connector for fiber ports
Optimal fiber cable	Typical 50 or 62.5/125 μ m for multimode (mm) Typical 8 or 9/125 μ m for single mode (sm)

Console Ports

Console Management	1 x RS-232 Port (RJ-45)
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Network Redundancy

Spanning Tree Protocol	IEEE 802.1D/1w, STP/RSTP
Port Trunk / LACP	Static Trunk or LACP (Link Aggregation Control Protocol)

Bridge, VLANs, Protocols

Flow Control	IEEE 802.3x (Full Duplex) and Back-Pressure (Half Duplex)
Max VLANs	2048
VLAN Types	IEEE 802.1Q tag-based VLAN, QinQ
Multicast protocols	IGMP v1/v2/v3 snooping, MLD v1/v2 Snooping
LLDP	IEEE 802.1ab LLDP

Traffic management & QoS

Priority	IEEE 802.1p QoS
Number of queues per port	8
Scheduling schemes	SPQ, WRR

Security

Port Security	IP and MAC-based Access Control/Filter, Auth User / Privilege Level Control IEEE 802.1X Authentication Network Access Control / RADIUS Server
Storm Control	Multicast / Broadcast / Flooding Storm Control

Management

User Management Interfaces	Cisco-Like CLI (Command Line Interface) Web-based Management SNMP V1, V2c, Trap
Management Security	SSH, Access Management
Upgrade & Restore	FTP, TFTP, HTTP for Configuration Import / Export FTP, TFTP, HTTP for Firmware Upgrade
Diagnostic	Syslog, Level Info / Warning / Error, Detailed Syslog Port Mirror, ICMP Ping
MIBs	RFC 1757RMON, RFC 1213 MIB
DHCP	Client Mode
NTP/SNTP	YES
System Status	Device info/status; Ethernet port status
Green Ethernet	Port Power Savings

Protocols & Standards

IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.1D/w, IEEE 802.1Q/p, IEEE 802.1ab, IEEE 802.3ad
LLDP, IPv4/IPv6, SNMP v1/v2c, Telnet, Syslog, Flow Control, Back Pressure, ICMP, UPD, TCP

Power

Power Input	Redundant Power Input, AC Input, IEC Connector
Input Voltage Range	100/240 VAC, 50Hz~60Hz
Transient protection	> 15, 000 Watts peak
Power Consumption	55 Watt

Indicators

Power status indication	Power Input status
Ethernet port indication	Link & speed

Environmental and Compliances

Operating Temperature	0~50°C
Storage Temperature	-20~60°C
Humidity	5~90% (Non-Condensing)
Vibration, shock, free fall	IEC-60068-2-6, -27, -32
Certification Compliance	CE, FCC
Electrical safety	CE
EMC	FCC Part 15, CISPR 22 (EN55022) Class A IEC-61000-4-2, -3, -4, -5, -6 (Level 2)
RoHS & WEEE	RoHS (Pb free) and WEEE Compliant
MTBF	50,000 HRs

Mechanical

Protection	IP30
Dimension	44mm x 440mm x 205mm(LxWxD)
Weight	3.04kg
Installation	19" Rack mount

Ordering Information

Available Models	Description	10/100/1000Mb TX	100/1000Mb FX
CS-RG528-4C-24F-2A	24 ports SFP Slot + 4 Combo ports Layer 2 Managed Switch, Dual AC, 0~50°C	4 (SFP or RJ45)	24

Accessories

1. Gigabit SFP Modules

Package Checklist

- CS-RG528 Switch
- Quick Installation Guide (Printed)
- Documentation & Software CD
- 19" 1U Standard Rack-Mount Kit