

# CS-4804S-HS

## 48+4 Port 25G Managed L3 Switch with 400G Uplink



- 48x 25GbE SFP28 Slot
- 4x 400 Gigabit Ethernet QSFP56-DD Slot
- RSTP, MSTP, ERPS, LACP for Network Redundancy
- QoS CoS/DSCP Diffserv to increase determinism
- Supports IGMP Snooping v1/v2/v3, up to 4096 groups
- DHCP Relay Option 82 for policies IP address assignment
- SNMP v1/v2c/v3 for network management
- Supports Storm Protection
- USB storage for configuration-free replacement

### Specifications

#### Technology

IEEE 802.3bs 400/200GBASE Fiber  
IEEE 802.3ba 100GBASE Fiber  
IEEE 802.3by 25GBASE Fiber  
IEEE 802.3ae 10GBASE Fiber  
IEEE 802.3x Flow Control  
IEEE 802.3az Energy-Efficient Ethernet  
IEEE 802.3ad/802.1AX LACP  
IEEE 802.1D Spanning Tree Protocol  
IEEE 802.1w Rapid STP  
IEEE 802.1s Multiple STP  
ITU-T G.8032 / Y.1344 ERPS  
IEEE 802.1Q VLAN Tagging  
IEEE 802.1ad Stacked VLANs  
IEEE 802.1p Class of Service  
IEEE 802.1X Network Authentication  
IEEE 802.1AB LLDP  
IEEE 1588 PTP

#### Standards

**Processing Type** Store and Forward, Cut Through

#### Switch Properties

**Switch Fabric** 5.6Tbps

**Priority Queues** 12 Queues

**Jumbo Frame** 9416byte

**MAC Table Size** 32K

**Packet Buffer** 320Mbits

**VLAN Table Size** 4094

**IGMP Group** 4096

**ACL Group** 12K

**Routing Entries (IPv4/IPv6)** 64K host, 64K LPM

#### Software Feature

**Network Redundancy** RSTP, MSTP, G.8032 ERPSv2, Port Trunking with LACP

**Security** 802.1X, RADIUS, TACACS+, SSL, SSH, ACL

**Management** IPv4, IPv6, Web, Telnet, Serial Console, CLI, SFTP, SNMP v1/v2c/v3, uPnP

**Diagnostics** RMON, SNMP Inform/Trap, Syslog, SMTP, Port Mirroring, LLDP, Cable Diagnostic

**Configuration** DHCP Server/Client, Relay Option 82, TFTP, USB

**Filter** 802.1Q VLAN, Q-in-Q, IGMP Snooping v1/v2/v3, IGMP Querier, Independent Vlan Learning

**Time Sync.** NTP, IEEE1588v2 OC (Software Timestamp), BC (Software Timestamp), TC (Hardware Timestamp)

**QoS** CoS, DSCP, WRR/SPQ Queuing, Storm Protection, Bandwidth Control, Diffserv

**L3 Switching** Static Routing, RIP v1/v2, RIPng, OSPF v2, OSPF v3, VRRP v2, PIM-SM

#### Interface

**Fiber Port** 48x 25 Gigabit SFP28 Slot  
4x 400 Gigabit QSFP56-DD Slot

**LED Indicators** **Per unit:** PWR, Status,  
**Ports:** Link/Active

**Button** Multiple functions reset button

**Serial Console** 1x RS232 in RJ45 connector with console cable, 115.2Kbps, 8N1

**Storage** 1x USB 2.0 storage for firmware update, configuration backup, restore, boot up and syslog

### Power Requirements

**Operation Voltage** External PSU, 100~240VAC, redundant dual inputs

**Connection** AC socket

**Power Consumption** 150W

**Protection** Overload Current Protected

### Mechanical Construction

**Enclosure** Steel metal

**Protection Class** IP30

**Dimensions** 440x44x437 mm (WxHxD)

**Weight** 6.00 kg

**Mounting** Rack Mounting

### Environmental Limits

**Operating Temperature** 0°C ~ 50°C (32°F ~ 122°F)

**Storage Temperature** -40°C ~ 85°C (-40°F ~ 185°F)

**Ambient Relative Humidity** 5 to 95%, (Non-Condensing)

### Regulatory Approvals

**EMI** FCC Part 15 Subpart B Class A  
CE EN 55032 Class A

**EMS** IEC61000-4-2 (ESD)  
IEC61000-4-3 (RS)  
IEC61000-4-4 (EFT)  
IEC61000-4-5 (Surge)  
IEC61000-4-6 (CS)  
IEC61000-4-8 (Magnetic Field)

**Free Fall** IEC60068-2-32

**Shock** IEC60068-2-27

**Vibration** IEC60068-2-6

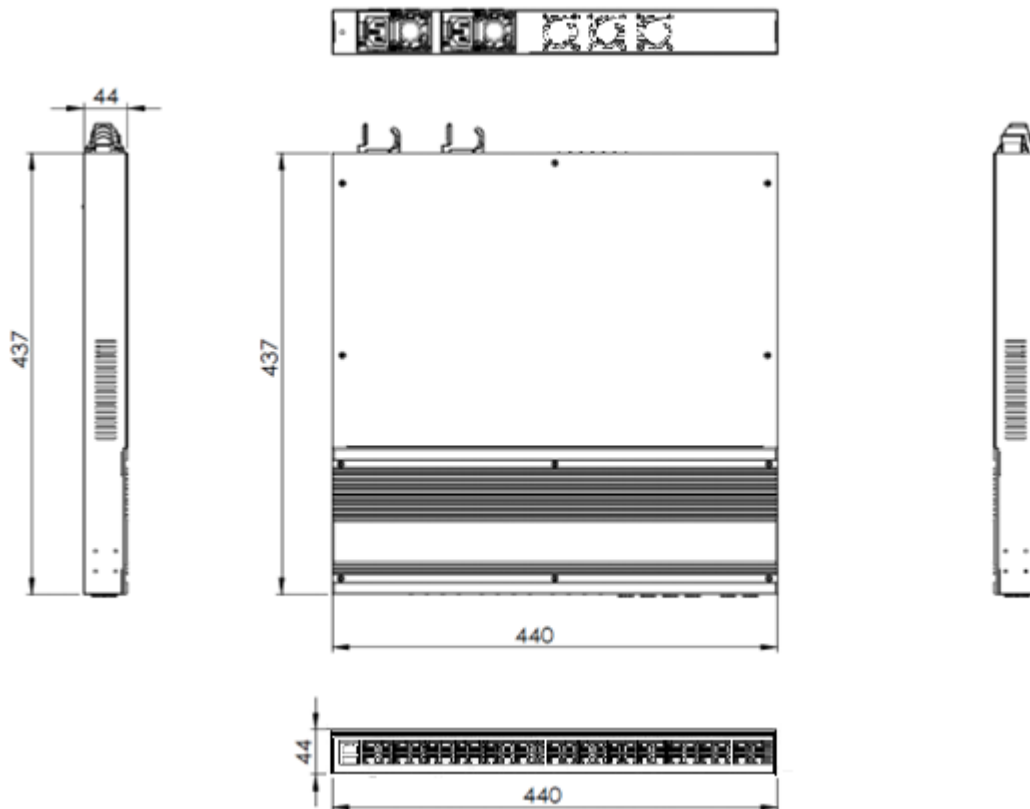
**Green** RoHS Compliant

**MTBF** >100,000 hours

**Warranty** 3 Years

Features with star(\*) implies those are under development.  
In a continuing effort of improvement and updated technology, product specifications are subject to change without notice.

## Dimensions (unit = mm)



## Ordering Information

**CS-4804S-HS** 48+4 Port 25G/400G Managed L3 Switch  
- 48x 25 Gigabit Ethernet SFP28 Slot  
- 4x 400 Gigabit Ethernet QSFP56-DD Slot

- Operating Temperature: 0°C ~ 50°C (32°F ~ 122°F)
  - 2x 100~240VAC Power Slot
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