

CS-2804N

28+4 Port 10G Managed L3 Switch with 25G Uplink



- 28x 10GbE SFP+ Slot
- 4x 25GbE SFP28 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 802.3ae 10GBASE Fiber
IEEE 802.3by 25GBASE 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
Standards
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

Processing Type Store and Forward, Cut Through

Switch Properties

Switch Fabric 760Gbps

Priority Queues 8 Queues

Jumbo Frame 12288byte

MAC Table Size 32K

Packet Buffer 32Mbits

VLAN Table Size 4094

IGMP Group 4096

ACL Group 4096

Routing Entries (IPv4/IPv6) 16K/8K host for IPv4/IPv6, 16K/16K 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 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 28x 10 Gigabit SFP+ Slot
4x 25 Gigabit SFP28 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	100~240VAC
Connection	1x AC socket
Power Consumption	TBD
Protection	Overload Current Protected
Mechanical Construction	
Enclosure	Steel metal
Dimensions	440x44x331 mm (WxHxD)
Weight	6.0 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
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-2804N

- 28+4 Port 10G Managed L3 Switch with 25G Uplink
- 28x 10Gigabit Ethernet SFP+ Slot
- 4x 25Gigabit Ethernet SFP28 Slot
- Operating Temperature: 0°C ~ 50°C (32°F ~ 122°F)
- 1x 100~240VAC Power Input