TOR SWITCH

Model: NCM-TORS-5832

Description

Ethernet routing switch with 24 10GE optical ports, 2 40G optical ports and 4 gigabit Base-T ports (Chipset Realtek, 1 console port, 1 out-of-band management gigabit Base-T port, 1 USB2.0 interface, 24 GE/10GE auto-adaptative SFP+ ports, 2 40G QSFP+ ports (Each 40G port can expand to 4 10G ports),4 gigabit Base-T ports; 2 power slots, 2 standard AC220 power supplies; 5 fan slots with 5 fans; the cooling fan, standard front-back air channel design, air-intake from the front of the chassis and air-out from the back of the chassis,1U, 19-inch rack-mounted installation)



NCM-TORS-5832

Unless otherwise noted, the above specifications reflect typical device performance at stated reference levels in the recommended operating configuration(s). Specifications are subject to change without notice.

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Model: NCM-TORS-5832

Technical Data

ITEM	NCM-TORS-5832
Switching Capacity	2.56Tbps/23.04Tbps
Forwarding Rate	960Mpps
Power Slots	2
Fan Slots	5
Ports	24 10GE SFP+ ports and 2 40GE QSFP+
Data Center Characteristics	BVSS TRILL/SPB large layer-2 technique FCoE technique SDN
Dimensions mm (W×D×H)	442.5×404×44

ITEM	NCM-TORS-5832
Power Supply	AC: 100V-240V,50Hz±10% DC: -36V~-72V
Environment	Operating temperature/humidity: 0℃-50℃, 10%-90% non-condensation Storage temperature/ humidity: -20℃-70℃; 5%-95% non-condensation
MAC switching function	Static Configuration and Dynamically Learning of MAC Address Check and Delete MAC Address MAC Address Aging Time Limit on MAC Address Learning Number MAC Address Filtering Function Black-Hole MAC Items
VLAN	4K VLAN entries GVRP 1:1 and N:1 VLAN Mapping Basic QinQ and Selective QinQ Private VLAN
STP	802.1D (STP), 802.1W (RSTP), 802.1S (MSTP) BPDU protection, root protection and ring protection

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Multicast	IGMP Snooping, IGMP v1/v2/v3, IGMP Fast Leave Multicast Group Policy and Multicast Number Limit Multicast Traffic Cross Vlan Duplication PIM-SM and PIM-DM
IPv4	Static Routing, RIP V1/V2, OSPF and BGP Policy Routing Load Balance through Equal-Cost Routing BFD for OSPF and BGP
IPv6	ICMPv6, DHCPv6, ACLv6, IPv6 Telnet IPv6 Neighbor Discovery Path MTU Discovery MLD and MLD Snooping IPv6 static routing, RIPng, OSPFv3 and BGP4+ Manual Tunnel, ISATAP Tunnel and 6-To-4 Tunnel
MPLS VPN	LDP protocolMCE P/PE of MPLS VPN MPLS Traffic Engineering (TE), MPLS Operations, Administration, and Maintenance (OAM)
QoS	Traffic Classification of Each Field of L2/L3/L4 Protocol Headers CAR Traffic Control 802.1P/DSCP Priority Remark Multiple Queuing Algorithms such as SP, WRR or SP+WRR Tail-Drop, WRED Traffic Supervision and Traffic Shaping
Reliability	Power 1+1 Backup, Power and Fan Hot-swap Static/LACP Link Aggregation and Cross Service Card Link Aggregation Ring Network Protection Including EAPS VRRP, ISSU Ethernet OAM 802.3ah/802.1ag/Itu-Y.1731 GR for OSPF and BGP, BFD for OSPF and BGP
Management and Maintenance	Console, Telnet and SSH SNMP v1/v2/v3 Upload and Download of TFTP Files Remote Network Monitoring (RMON) Statistics Analysis of sFLOW, Netflow
Energy saving	IEEE 802.3az green Efficient Ethernet
Environment	Operating temperature/humidity: 0℃-50℃, 10%-90% non-condensing Storage temperature/ humidity: -20℃-70℃; 5%-95% non-condensing
Power supply	AC: 100V-240V,50Hz±10% DC: -36V~-72V

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