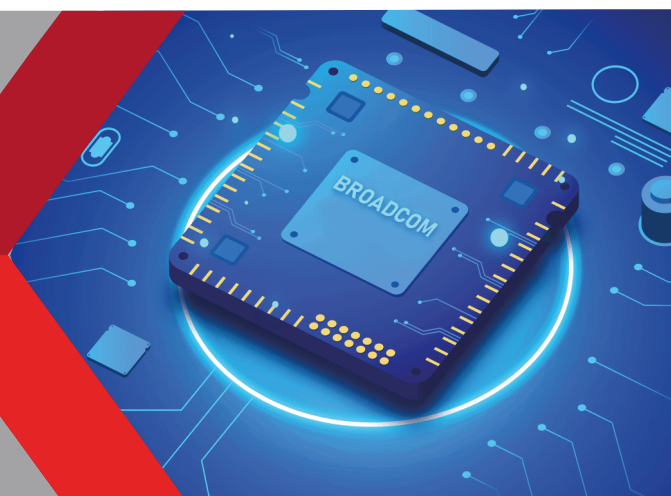


## Managed Switch NX-7750-48H8CQM



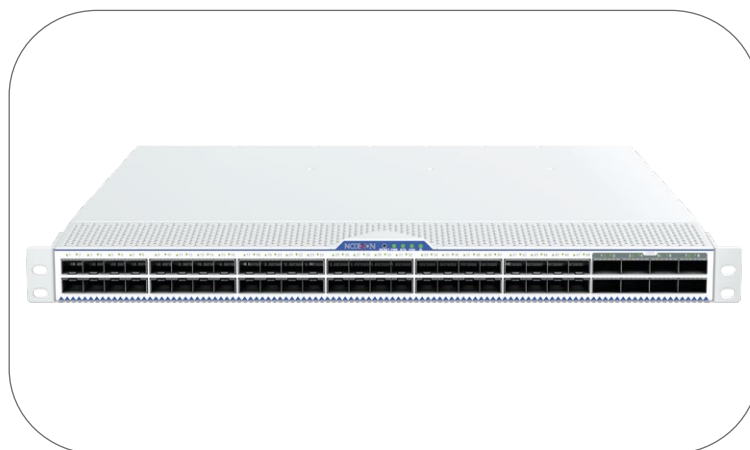
### OVERVIEW

NX-7750-48H8CQM TOR switch – with superior port density of 48×25 Gbps and 8×100 Gbps ports is ideally suited for deployment at the server access layer in large enterprise data centers.

NX-7750-48H8CQM delivers high-performance, high interface density and low latency to allow enterprises and carriers to build cloud-oriented data center networks. With port speeds spanning from 10Gbps to 100Gbps per port and port density that enables full rack connectivity to any server at any speed NX-7750-48H8CQM switch is an ideal leaf and top of rack (ToR) solution, allowing maximum flexibility.

### FEATURES HIGHLIGHTS

- › superior port density
- › Servers with 100 GbE uplinks
- › large enterprise data centers
- › High performance
- › high bandwidth
- › L3 Managed Switch



## Managed Switches NX-7750-48H8CQM



### TECHNICAL SPECIFICATIONS

SPECIFICATIONS	NX-7750-48H8CQM
Management port	1x RJ45 100/1000Base-T out-of-band 1x RJ-45 Console 1x USB Type A
Switch ASIC	Nodexon Aldrin 98DX8548
CPU	Intel Broadwell-DE D1508
Memory	Default 8GB DDR4 Max 32GB DDR4
Storage	16GB eMMC NAND FLASH SSD module optional
Power supply units	2 x 100-240 VAC, 550W Redundant, hot swappable
Power consumption	520W max
Fan unit	5 (4+1 redundant) Hot swappable
Form factor and dimension	1 RU(W) 445mm x (D) 470mm x (H) 44 mm
Weight(NW)	9.6 kg
Operating temperature	0°C- 45°C
Storage temperature	-40°C- 70°C
Operating humidity	5% - 95% (non-condensing)
Storage humidity	5% - 95% (non-condensing)
Operating altitude	3000m max
Safety regulation compliance	UL/CSA, cUL, CB
Switching Capacity	4.0 Tbps
Forwarding Rate	2.9 Gpps
Jumbo frames	Yes
Packet Buffer Size	24 MB
Transmit Descriptors	192 K
Bridge FDB Entries	Up to 256K
Router IPv4 Host Entries	Up to 256K
Router IPv6 Host Entries	Up to 128K



## Managed Switches NX-7750-48H8CQM

### TECHNICAL SPECIFICATIONS

SPECIFICATIONS	NX-7750-48H8CQM
Router LPM	IPv4 - up to 512K unicast prefixes IPv6 - up to 256K unicast 64-bit prefixes
TCAM Resources	36K x 10B rules (18K x 10B per dual control pipe)
Virtual Ports (ePorts)	8K
Bridge Domains (eVLANs)	Up to 8K
Multicast Physical Port Groups (VIDX)	Up to 4K
Multicast Virtual Port Groups (eVIDX)	16K
Multicast Linked List (MLL) Entries	16K
Tunnel-Start/ARP Table	Up to 192K ARP entries Up to 48K Non-IPv6 Tunnel-Start entries Up to 24K IPv6 Tunnel-Start entries
Router Next Hop Entries	24K
Router ECMP Groups	12K
ePort ECMP Groups	16K
Trunk ECMP Group	Up to 4K
L2 ECMP Table	16K ECMP members Each ECMP group may contain up to 4K EMCP members
Hardware OAM Flows	16K ECMP members 4K OAM flows (1K OAM flows per control pipe)
Spanning Tree Groups	Up to 4K

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