

## Managed Switch NX-7750-48H6CQM



### OVERVIEW

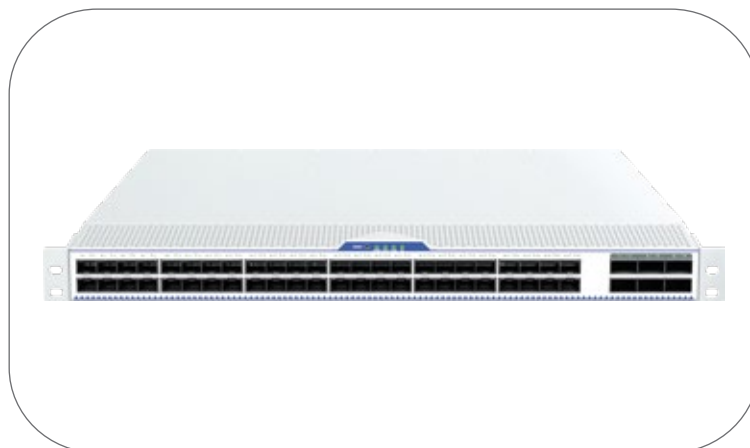
NX-7750-48H6CQM is high performance, multi service aggregation or ToR ( Top of Rack) switch for telco access, security and cloud, with 48 x 10 G ( SFP+) + 6 x 100 G/40 G (QSFP28) interfaces .

NX-7750-48H6CQM switch is an advanced best- in- class, open- source network platform that line- rate L2 / L3 up to 4 Tbps switching performance of NODEXON is paired with multi service feature . It is well suited for enterprise access/ aggregation, high bandwidth interconnection for video distribution and security . It can also be used as the cost effective ToR switch for private cloud . NX-7750-48H6CQM is Compact 1 RU standard based open architecture, both its power supply and fan modules are hot- swappable, supporting 1 + 1 and 4 + 1 redundancy respectively .

The NX-7750-48H6CQM switch can be deployed as a top- of- rack ( ToR) or leaf switch supporting 100 GbE to servers with 100 GbE uplinks, each 100 G QSFP28 port can be configured 40 G as well as 4 x 25 GbE or 4 x 10 GbE via breakout cables .

### FEATURES HIGHLIGHTS

- › 4 Tbps switching performance
- › Servers with 100 GbE uplinks
- › 1+ 1 and 4+ 1 redundancy
- › High performance
- › high bandwidth
- › L3 Managed Switch



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### TECHNICAL SPECIFICATIONS

SPECIFICATIONS	NX-7750-48H6CQM
Management port	1x RJ45 100/1000Base-T out-of-band 1x RJ-45 Console 1x USB
Switch ASIC	Nodexon Aldrin 98DX8548
CPU	Nodexon Octeon TX2 CN9130
Memory	4GB DDR4
Storage	SSD :32GB eMMC , optional M.2 STAT slot
Power supply units	PSU Input : 110 V-240 VAC, 36-72 V DC PSU Output : 200 W ( AC/ DC) 1 +1 hot pluggable
Power consumption	180W 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)	9.5 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	2.16Tbps
Forwarding Rate	1.6 Gpps
Jumbo frames	Yes
Packet Buffer Size	6 MB
Bridge FDB Entries	32 K
Router IPv4 Host Entries	Up to 16K Unicast prefixes (LP32M)1 or Up to 3K (*,G) addresses
Router IPv6 Host Entries	Up to 8K Unicast prefixes (LPM) 3 or Up to 0.5K (*,G) addresses
Router LPM	IPv4 - up to 16K unicast prefixes IPv6 - up to 8K unicast 64-bit prefixes



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TCAM Resources	9K x 10B rules
Virtual Ports (ePorts)	8K
Bridge Domains (eVLANs)	8K
Multicast Physical Port Groups (VIDX)	4K
Multicast Virtual Port Groups (eVIDX)	16K
Multicast Linked List (MLL) Entries	16K
Tunnel-Start/ARP Table	1U p to 32K ARP entries Up to 8K Non-IPv6 Tunnel-Start entries Up to 4K IPv6 Tunnel-Start entries 80W max
Router Next Hop Entries	8K
Router ECMP Groups	8K
ePort ECMP Groups	8K
Trunk ECMP Group	4K
QoS Profiles	1K
Hardware OAM Flows	2K
Spanning Tree Groups	1K

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