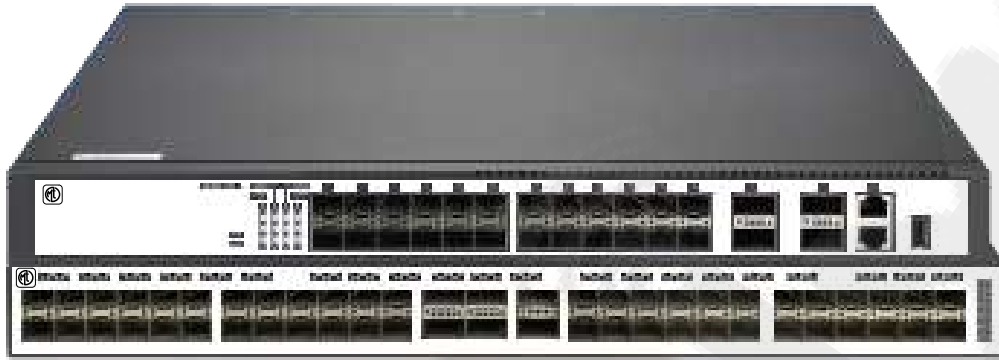


TechNxt Core L3 Switch Series



Supports Maximum 48
10GE Ports and 4 100GE
QSFP28 Uplink Ports



Advanced Hardware
Architecture and
Industry-leading Port
Density



Carrier-Level High
Reliability
Data-center TOR
Switches
Full Layer-3 Functions



Varied Service
Characteristics
Versatile IPv6 Solution
Complete Security
Mechanism

PRODUCT OVERVIEW

TechNxt Core L3 Series is a new generation of full10GE TOR switches, oriented for high-performance computing, data center, and high-end campuses. The core L3 Series adopts our most advanced hardware architecture designs. core L3 Series (1U height) supports up to 2.56Tbps switching capacity and 48 10GE ports + 2 40GE ports + 4 100G ports or 72 10GE ports. core L3 Series supports BVSS, TRILL, SDN, and FCoE/ FC. By cooperating with core L3 Series, core L3 Series can converge data of 15000+ 10GE servers. Core L3 Series provides high-performance L2/L3/L4 wire-speed switching capacity by integrating services such as IPv6, MPLS VPN, network security, flow analysis, and virtualization, with highly reliable techniques including continuous forwarding, graceful restarting, and loop network protection, all which works efficiency withing the core L3 Series fabric for guaranteed maximum runtime. core L3 Series supports the “GreenTouch” architecture and “Smart@CHIP”. Its power consumption is lower than 200W. core L3 Series has 2 models: MMS-9728 and MMS-9764H



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PRODUCT SPECIFICATIONS

ITEM

MMS-9728

MMS-9764H

INTERFACE

24 10GE/GE SFP+ PORTS,
4 100GE/40GE
QSFP28 PORTS

48 10GE/GE SFP+ PORTS,
2 40GE QSFP+ PORTS,
4 100GE/40GE QSFP28 PORTS

Console		1 RJ45CONSOLE, 1 MGMT	
Backplane		800 Gbps	1920 Gbps
Forwarding rate		600 Mpps	1440 Mpps
Chassis	Dimensions (WxDxH)(mm)	440X350X44	442X404X44
	Weight (KG)(empty)	7.1	8.8
Package	Dimensions (WxDxH)(mm)	576X448X94	616X488X140
	Weight(KG)	8.3	10
Power supply	no-load	45W	102W
	Full load	70W	147W
Power supply	AC: 100V-240V, 50HZ±10%		2
Power status monitoring		SUPPORT	
Total output BTU (1000BTU/H=293W)		238.91	501.71
Fan number		4	5
Noise@25°C(dBA)			57
MTBF(H)			>200,000
Forwarding mode		STORE-FORWARD	
Flash (MB)			64
DRAM (MB)			1024
MAC		32K	64K
Jumbo frame			16K
Routing table	IPv4		16K
	IPv6	12K	8K
ARP table	IPv4	10K	16K
	IPv6	10K	2K
Total SVI			1K



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PRODUCT FEATURES

VLAN

4K Active VLAN, QinQ & Selective QinQ, GVRP, Private VLAN

Spanning Tree

802.1D (STP)
802.1W (RSTP) and 802.1S (MSTP)
BPDU guard, root guard and loopback guard

Multicast

PIM-SM, PIM-DM,
IGMP v1/v2/v3,
IGMP Snooping,
IGMP Fast Leave,
MVR, IGMP filter

IPV4

Static routing, RIP v1/v2,
OSPF, BGP, PBR, ECMP
BFD for OSPF, BGP

IPV6

ICMPv6, DHCPv6, ACLv6 and IPv6
Telnet
IPv6 neighbor discovery, Path MTU
discovery
MLD V1/V2, MLD snooping
IPv6 Static Routing, RIPng, OSPFv3,
BGP4+
Manual tunnel, ISATAP tunnel, 6 to
4 tunne

MPLS

Multi-VRP

QoS

CAR, HQoS, MAC/IP/TCP/UDP/
VLAN/COS/DSCP/TOS based QoS,
802.1P/DSCP priority re-labeling, SP,
WRR, and "SP+WRR", Tail-Drop,
WRED, flow monitoring and traffic
shaping

Security

Port isolation, Port security,
and "IP+MAC+port" binding, MAC
stickyDHCP Snooping and option
82, DAI & IP source guard, PPPoE+,
IEEE 802.1x, Radius and Tacacs+
L2/L3/L4 ACL flow identification
and filtrationAnti-attack from
DDoS, TCP's SYN Flood, UDP Flood,
etc.Broadcast/multicast/unknown
unicast storm-control
MD5, SHA-256, RSA-1024, AES256,
etc.

Reliability

Static/LACP link aggregation,
Interface backup
BVSS virtual-stacking
EAPS and ERPS
URPF, LLDPISU
VRRP
1+1 power backup

Management

Console, Telnet, SSH v1/2, HTTP
HTTPSSNMP v1/v2/v3, RMON
TFTP, FTP, SFTP
NTP, SPAN, RSPAN

Environment

Operating temperature/
humidity: 0°C -50°C, 10%-90%
non-condensing
Storage temperature/humidity:
-20°C -70°C, 5%-95% noncondensing

ORDERING INFORMATION

Item	Description
MMS-9728	ETHERNET ROUTING SWITCH WITH 24 10GE PORTS, 4 100GE PORTS (1 CONSOLE PORT, 1 OUT-BAND PORT, 24 10GE/GE SFP+ PORTS, 4 100GE/40GE QSFP28 PORTS (CAN EXPAND TO 4 10GE PORTS); 2 POWER SLOTS WITH 2 HOT-SWAP AC220V POWER SUPPLIES; 4 FAN SLOTS, INCLUDING 4 FANS; 1U, 19- INCH RACK-MOUNTED INSTALLATION)
MMS-9764H	ETHERNET ROUTING SWITCH WITH 48 10GE PORTS, 2 40GE PORTS AND 4 100GE PORTS (1 CONSOLE PORT, 1 OUT-BAND PORT, 48 10GE/GE SFP+ PORTS, 2 40GE QSFP+ PORTS, 4 100GE (CAN EXPAND TO 4 10GE PORTS), 2 POWER SLOTS WITH 2 HOT-SWAP AC220V POWER SUPPLIES; 4 FAN SLOTS, INCLUDING 4 FANS; 1U, 19-INCH RACK-MOUNTED INSTALLATION)



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OPTICAL MODULES

40GE optical modules

QSFP+40G-SR4-
100m QSFP+LR4-10

40G QSFP+ optical module (100m, 850nm, MPO, DDM, supports 1 to 4)
40G QSFP+ optical module (10Km, 1310nm, LC, DDM)

10GE optical modules

SFP+TX

10GE SFP+to-RJ45 module

SFP+SX

10GE SFP+ multi-mode (300m, 850nm, LC)

SFP+LX-10

10GE SFP+ single-mode (10Km, 1310nm, LC, DDM)

SFP+LX-20

10GE SFP+ single-mode (20Km, 1310nm, LC, DDM)

SFP+LX-40

10GE SFP+ single-mode (40Km, 1550nm, LC, DDM)

SFP+LX-80

10GE SFP+ single-mode (80Km, 1550nm, LC, DDM)

SFP+LX-SM-1270-10

10GE SFP+ single-mode, single-fiber (10Km, TX1270/RX1330, LC, DDM)

SFP+LX-SM-1330-10

10GE SFP+ single-mode, single-fiber (10Km, TX1330/RX1270, LC, DDM)

SFP+LX-SM-1270-20

10GE SFP+ single-mode, single-fiber (20Km, TX1270/RX1330, LC, DDM)

SFP+LX-SM-1330-20

10GE SFP+ single-mode, single-fiber (20Km, TX1330/RX1270, LC, DDM)

SFP+LX-SM-1270-40

10GE SFP+ single-mode, single-fiber (40Km, TX1270/RX1330, LC, DDM)

SFP+LX-SM-1330-40

10GE SFP+ single-mode, single-fiber (40Km, TX1330/RX1270, LC, DDM)

GE Optical Modules

GSFP-TX-BGE SFP-to-RJ45 module

GSFP-SX-DGE SFP multi-mode (500m, 850nm, LC, DDM)

GSFP-LX-10-DGE SFP single-mode (10Km, 1310nm, LC, DDM)

GSFP-LX-20-D GE SFP single-mode (40Km, 1310nm, LC, DDM)

GSFP-LX-40-DGE SFP single-mode (40Km, 1310nm, LC, DDM)

GSFP-ZX-80-DGE SFP single-mode (80Km, 1550nm, LC, DDM)

GSFP-ZX-120-DGE SFP single-mode (120Km, 1550nm, LC, DDM)

GSFP-LX-SM1310-10GE SFP single-mode, single fiber (10Km, TX1310/RX1550, LC, DDM)

GSFP-LX-SM1550-10GE SFP single-mode, single fiber (10Km, TX1550/RX1310, LC, DDM)

GSFP-LX-SM1310-20GE SFP single-mode, single fiber (20Km, TX1310/RX1550, LC, DDM)

GSFP-LX-SM1550-20GE SFP single-mode, single fiber (20Km, TX1550/RX1310, LC, DDM)

GSFP-LX-SM1310-40GE SFP single-mode, single fiber (40Km, TX1310/RX1550, LC, DDM)

GSFP-LX-SM1550-40GE SFP single-mode, single fiber (40Km, TX1550/RX1310, LC, DDM)

GSFP-LX-SM1490-80GE SFP single-mode, single fiber (80Km, TX1490/RX1550, LC, DDM)

GSFP-LX-SM1550-80GE SFP single-mode, single fiber (80Km, TX1550/RX1490, LC, DDM)

GSFP-LX-SM1490-120GE SFP single-mode, single fiber (120Km, TX1490/RX1550, LC, DDM)

GSFP-LX-SM1550-120 GE SFP single-mode, single fiber (120Km, TX1550/RX1490, LC, DDM)

* No logical restriction for operation with third party SFPs



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