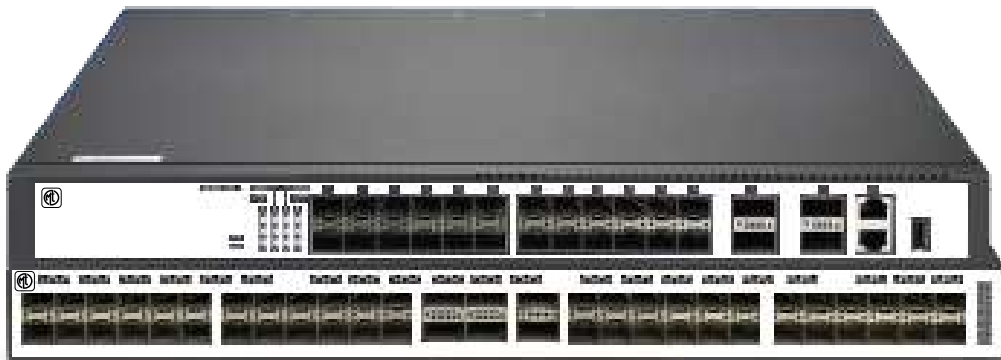


MAXXTEK Core L3 Switch Series



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

Maxxtek 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, virtualization, with high 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



Maxxtek

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 consumption	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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Phase-II,Noida,
U.P: 201301

Manufactured by:  **e Hoome IoT**
smart living



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-VRF

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 filtration Anti-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, LLDPISSU
- 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)

OPTICAL MODULES

40GE optical modules

QSFP+40G-SR4-100m	40G QSFP+ optical module (100m, 850nm, MPO, DDM, supports 1 to 4)
QSFP+LR4-10	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-B	GE SFP to-RJ45 module
GSFP-SX-D	GE SFP multi-mode (500m, 850nm, LC, DDM)
GSFP-LX-10-D	GE SFP single-mode (10Km, 1310nm, LC, DDM)
GSFP-LX-20-D	GE SFP single-mode (40Km, 1310nm, LC, DDM)
GSFP-LX-40-D	GE SFP single-mode (40Km, 1310nm, LC, DDM)
GSFP-ZX-80-D	GE SFP single-mode (80Km, 1550nm, LC, DDM)
GSFP-ZX-120-D	GE SFP single-mode (120Km, 1550nm, LC, DDM)
GSFP-LX-SM1310-10	GE SFP single-mode, single fiber (10Km, TX1310/RX1550, LC, DDM)
GSFP-LX-SM1550-10	GE SFP single-mode, single fiber (10Km, TX1550/RX1310, LC, DDM)
GSFP-LX-SM1310-20	GE SFP single-mode, single fiber (20Km, TX1310/RX1550, LC, DDM)
GSFP-LX-SM1550-20	GE SFP single-mode, single fiber (20Km, TX1550/RX1310, LC, DDM)
GSFP-LX-SM1310-40	GE SFP single-mode, single fiber (40Km, TX1310/RX1550, LC, DDM)
GSFP-LX-SM1550-40	GE SFP single-mode, single fiber (40Km, TX1550/RX1310, LC, DDM)
GSFP-LX-SM1490-80	GE SFP single-mode, single fiber (80Km, TX1490/RX1550, LC, DDM)
GSFP-LX-SM1550-80	GE SFP single-mode, single fiber (80Km, TX1550/RX1490, LC, DDM)
GSFP-LX-SM1490-120	GE 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