

MAXXTEK Lite L3 Switch Series (MMS8728E & MMS8728EF)



Supports Maximum 24
GE TX Ports and 4 10GE
SFP+ Uplink Ports



Advanced Hardware
Architecture and
Industry-leading Port
Density



Carrier-Level High
Reliability
Layer-3 Routing
Functions



Varied Service
Characteristics Versatile
IPv6 Solution Complete
Security Mechanism

PRODUCT OVERVIEW

MMS8728E, MMS8728EF lite L3-Series is a next -generation aggregation 10GE switch introduced by Maxxtek. It is targeted at the IP MAN (Metropolitan area network), government and enterprise networks, Internet café and diskless working environment. It supports functions such as powerful ACL, flexible QinQ, 1:1 or N:1 VLAN switching, Ethernet OAM, carrier-level QoS and industry-level 10GE Ether-ring, ensuring this switch series meets application requirements in all kinds of complicated sites. It also supports layer-3 routing protocol.

Registered Office: E- home lot Pvt.Ltd.
Ideal Centre, 1st Floor,9 A.J.C Bose road
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Email: sales@ehoome.in
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Delhi Office : C-171,Ground Floor
Defense Colony
New Delhi: 110024

Factory: A-13, Sector-83,
Phase-II,Noida,
U.P. 201301



Maxxtek

PRODUCT SPECIFICATIONS



ITEM	MMS8728E	MMS8728EF	
INTERFACE	24 GE TX 4 10GE/GE SFP+	16 100/1000M SFP 8 GE SFP/TX COMBO 4 10GE/GE SFP+	
CONSOLE(RJ45)	1	1	
BACKPLANE(Gbps)	128	128	
FORWARDING RATE(Mpps WITH 64 BYTES)	96	96	
CHASSIS	DIMENSIONS (WXDXH)(MM)	440X180X44	440X280X44
	WEIGHT(KG)(EMPTY)	2.6	4
PACKAGE	DIMENSIONS (WXDXH)(MM)	500 X 320 X 80	576 X 448X 94
	WEIGHT(KG)	3.9	5.2
POWER CONSUMPTION	NO-LOAD	< 22W	< 18W
	FULL LOAD	35W	38W
POWER SUPPLY	AC: 100V-240V, DC: 36V-72V	45W	45W
POE POWER BUDGET	-	-	
TOTAL OUTPUT BTU (1000BTU/H=293W)	153.58	153.58	
FAN NUMBER	-	2	
NOISE@25°C(dBA)	0	45	
MTBF(H)	>200000	>200000	
FORWARDING MODE	Store-forward	Store-forward	
FLASH (MB)	32	32	
DRAM (MB)	256	256	
MAC	16K	16K	
BUFFER SIZE(MB)	1.5	1.5	
INTERFACE VLAN	64	64	
ROUTING TABLE	2040	2040	
JUMBO FRAME	9K	9K	

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



PRODUCT FEATURES



VLAN

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

Spanning Tree

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

Multicast

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

IP

- Static route, RIP, OSPF
- IPv4/v6 dual stack

IPv6

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

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 sticky
- DAI & IP source guard PPPoE+
- IEEE 802.1x, AAA, 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.

DHCP

- DHCP server/relay/client
- DHCP snooping/option82

Reliability

- Static/LACP link aggregation, Interface backup
- EAPS and ERPS
- ISSU uninterrupted system upgrade
- BVSS, ups to 16-units per stack
- VRRP
- UDLD

Management

- Console, Telnet, SSH v1/2, HTTP, HTTPS, SNMP v1/v2/v3, RMON
- TFTP, FTP, SFTP
- NTP
- ZTP
- SPAN, RSPAN
- Dying gasp*

Environment

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

Accessories

- Power cord, rackmount kits, console cable

ORDERING INFORMATION

Item	Description
L3-lite series switch	
MMS8728E	ETHERNET LAYER-3 LITE SWITCH WITH 24 GE AND 4 10GE PORTS (1 CONSOLE PORT, 24G E TX PORTS, 4 10GE/GE SFP+ PORTS; 100 TO 240 VAC INPUT, 60 HZ , FANLESS, 1U, STANDARD 19-INCH RACK-MOUNTED INSTALLATION)
MMS8728EF	ETHERNET LAYER-3 LITE SWITCH WITH 24 GE AND 4 10GE PORTS (1 CONSOLE PORT, 16 100M/1000M SFP PORTS, 8 GE SFP/TX COMBO PORTS, 4 10GE/GE SFP+ PORTS; 100 TO 240 VAC INPUT, 60 HZ, THE COOLING FAN, 1U, STANDARD 19 INCH RACK-MOUNTED INSTALLATION)

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OPTICAL MODULES

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-m ode (20Km, 1310nm, LC, DDM)
SFP+LX-40	10GE SFP+ single-mode (40Km, 1310nm, LC, DDM)
SFP+LX-80	10GE SFP+ single-m ode (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-m ode (80Km, 1550nm, LC, DDM)
GSFP-ZX-120-D	GE SFP single- m ode (120Km, 1550nm, LC, DDM)
GSFP-LX-SM1310-10-BIDI	GE SFP single-mode, single fiber (10Km, TX1310/RX1550, LC, DDM)
GSFP-LX-SM1550-10-BIDI	GE SFP single-mode, single fiber (10Km, TX1550/RX1310, LC, DDM)
GSFP-LX-SM1310-20-BIDI	GE SFP single-mode, single fiber (20Km, TX1310/RX1550, LC, DDM)
GSFP-LX-SM1550-20-BIDI	GE SFP single-mode, single fiber (20Km, TX1550/RX1310, LC, DDM)
GSFP-LX-SM1310-40-BIDI	GE SFP single-mode, single fiber (40Km, TX1310/RX1550, LC, DDM)
GSFP-LX-SM1550-40-BIDI	GE SFP single-mode, single fiber (40Km, TX1550/RX1310, LC, DDM)
GSFP-LX-SM1490-80-BIDI	GE SFP single-mode, single fiber (80Km, TX1490/RX1550, LC, DDM)
GSFP-LX-SM1550-80-BIDI	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

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