

Full L2 Switch Series (MMS7710, MMS7728)



Supports Maximum 24
GE TX Ports and 4 GE
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

MMS7710, MMS7728 Series is a new-generation intelligent gigabit access switch designed for carrier's IP MAN and enterprise networks. Based on the new-generation highperformance hardware, it supports functions such as ACL, QinQ and QoS. Its simple management mode and flexible installation can meet the requirement of any complicated scenarios.

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

PRODUCT SPECIFICATIONS



ITEM	MMS7710	MMS7728	
INTERFACE	8 GE TX PORTS, 2 100/1000M SFP PORTS	24 GE TX PORTS, 4 100/1000M SFP PORTS	
CONSOLE	1 RJ45 PORT, 1 RST BUTTON	1 RJ45 PORT, 1 RST BUTTON	
BACKPLANE	20 Gbps	56 Gbps	
FORWARDING RATE	15 Mpps	42 Mpps	
CHASSIS	DIMENSIONS (WXDXH)(MM)	280X180X44	440X210X44
	WEIGHT(KG)(EMPTY)	1.55	2
PACKAGE	DIMENSIONS (WXDXH)(MM)	346 X 289 X 92	555X295X88
	WEIGHT(KG)	2.55	3
POWER CONSUMPTION	NO-LOAD	<3W	< 7W
	FULL LOAD	10W	20W
POWER SUPPLY	AC: 100V-240V, 50HZ±10%	15W	25W
TOTAL OUTPUT BTU (1000BTU/H=293W)	51.19	85.32	
FAN NUMBER		NO	
NOISE@25°C(dBA)		0	
MTBF(H)		>50,000	
FORWARDING MODE		Store-forward	
FLASH (MB)		16	
DRAM (MB)		128	
MAC		8K	
BUFFER SIZE(MB)		4.1	
JUMBO FRAME		9K	
TOTAL SVI		10	

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 v1/2/3
- IGMP Snooping
- IGMP Fast Leave
- IGMP Filter
- MVR

IP

- Static route
- RIP, OSPF
- 512 routing table
- IP v4/v6 dual stack
- DHCP Server/Client/Relay

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, DHCP 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
- EAPS and ERPS
- ISSU

Management

- Console, Telnet, SSH v1/2, HTTP, HTTPS, SNMP v1/v2/v3, RMON
- TFTP, FTP, SFTP
- NTP
- ZTP(Zero Touch Provisioning)
- SPAN, RSPAN

Accessories

- Power cord, rackmount kits, console cable, anti-slipping pad

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
MMS7710	ETHERNET SWITCH WITH 8 GE TX PORTS AND 2 GE SFP PORTS (1 CONSOLE PORT, 8 GE TX PORTS, 2 100/1000M SFP PORTS, 1 STANDARD AC220V POWER SUPPLY, FANLESS, 1U, DESKTOP INSTALLATION)
MMS7728	ETHERNET SWITCH WITH 24 GE TX PORTS AND 4 GE SFP PORTS (1 CONSOLE PORT, 24 GE TX PORTS, 4 100/1000M SFP PORTS, 1 STANDARD AC220V POWER SUPPLY, FANLESS, 1U, 19-INCH RACK-MOUNTED INSTALLATION)

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OPTICAL MODULES



100M Optical Modules

FSFP-SX-1310	100M SFP multi-mode (2Km, 1310nm, LC, DDM)
FSFP-LX-15	100M SFP single-mode (15Km, 1310nm, LC, DDM)
FSFP-LX-40	100M SFP single-mode (40Km, 1310nm, LC, DDM)
FSFP-ZX-80	100M SFP single-mode (80Km, 1550nm, LC, DDM)
FSFP-LX-SM1310-20	100M SFP single-mode, single fiber (20Km, TX1310/RX1550, LC, DDM)
FSFP-LX-SM1550-20	100M SFP single-mode, single fiber (20Km, TX1550/RX1310, LC, DDM)
FSFP-LX-SM1310-40	100M SFP single-mode, single fiber (40Km, TX1310/RX1550, LC, DDM)
FSFP-LX-SM1550-40	100M SFP single-mode, single fiber (40Km, TX1550/RX1310, LC, DDM)
FSFP-LX-SM1310-80	100M SFP single-mode, single fiber (80Km, TX1310/RX1550, LC, DDM)
FSFP-LX-SM1550-80	100M SFP single-mode, single fiber (80Km, TX1550/RX1310, 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