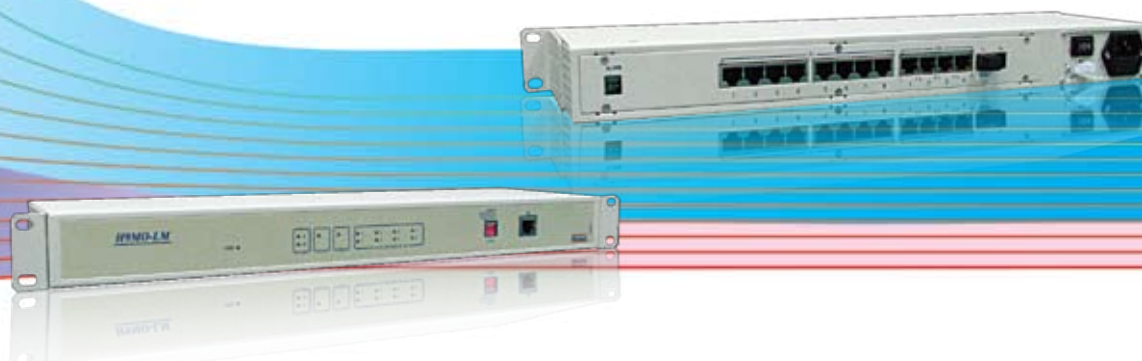


H9MO-LMAT

SDH/MSTP Multiplexer



Overview

H9MO-LMAT is a member of SDH/MSTP product family. This family of products is aimed at the access network establishment, providing TDM and Ethernet services to meet the needs of today's network evolution. Other members in the SDH/MSTP product family include H9MO-LMXE, H9MO-LMA, H9MO-LMFIT, H9MO-LMV, H9MO-LM63, etc.

The H9MO-LMAT is derived from the ADM MUX H9MO-LMA to provide a more cost effective solution. It is of single board design with fixed number of interface ports. It has one STM-1 fiber optic ports, and a set of service ports. According to the number of service ports, the H9MO-LMAT comes in different models, as shown in below table:

Model	STM-1 optical Ports	E1 Ports	Ethernet Ports	V.35 Ports
H9MO-LMAT841	1	8	4	1
H9MO-LMAT840	1	8	4	0
H9MO-LMAT800	1	8	0	0
H9MO-LMAT441	1	4	4	1
H9MO-LMAT440	1	4	4	0
H9MO-LMAT400	1	4	0	0

Features

1. TM, Multi-Service, including E1, FE, V.35
2. Flexible options for the STM-1 fiber optic interface, including single fiber duplex, as well as different power and wavelength choices.
3. Standard based GFP/VC-12 VCAT, support VLAN, EoS
4. Built-in BERT and loop-back capabilities
5. Framed and unframed V.35
6. Remote AC power failure alarm
7. Standard 19 inch 1RU box, compact, lightweight, low power consumption
8. Dual mode power supply, -48V DC or 100~240V AC field selectable
9. Support online upgrade of embedded program and FPGA program

Technical Specifications

STM-1 Fiber Port

Bit rate:	155520kbit/s \pm 4.6ppm			
Line code:	Scrambled NRZ			
Wavelength:	Default:	1310nm	Option /5:	1550nm
Connector:	Default:	SC	Option /F:	FC
Fiber Spec.	S-1.1, L-1.1, L-1.2 Single fiber bi-directional interface can be optionally supported			

E1 Port

Bit rate:	2.048 Mbps ± 50 ppm		
Line code:	HDB3		
Impedance:	Default: 75Ω	Option /T: 120Ω	
Frame Structure:	Non-framed		
Number of ports:	4~8		

V.35 Port

Bit rate:	Nx64kbits \pm 50 ppm, N \leq 31	Interface mode:	DCE or DTE
Frame Structure:	G.704 or unframed	Number of ports:	0~1

Ethernet Port

Interface mode:	10Base-T/100Base-T, Half/Full duplex, auto-negotiation, HP auto-MDIX		
Trunk port:	NxVC-12 N \leq 63, GFP		
Number of ports:	0~4		

Management Port

Ethernet:	RJ45, 100Base-T, MDI port
Others:	DCC, E1

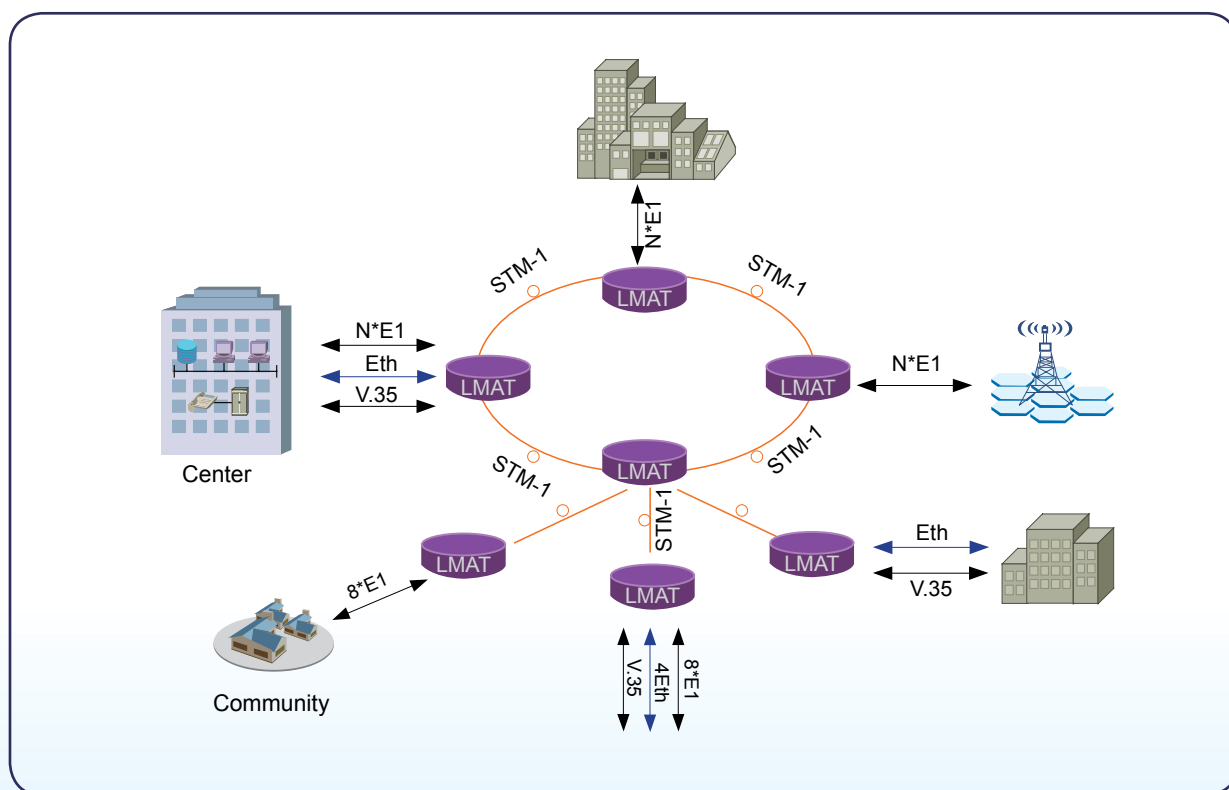
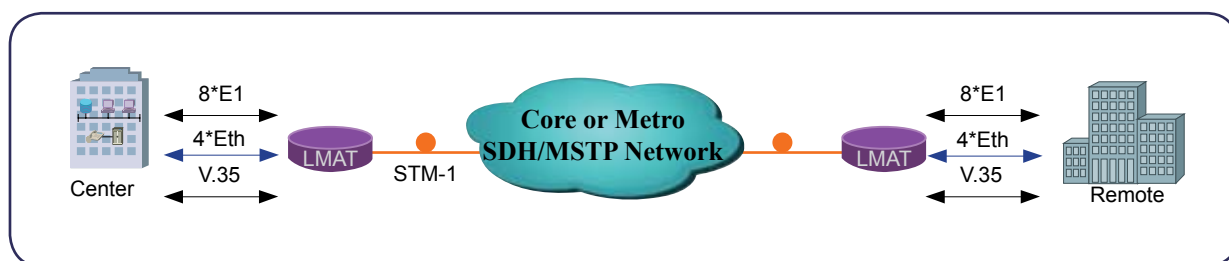
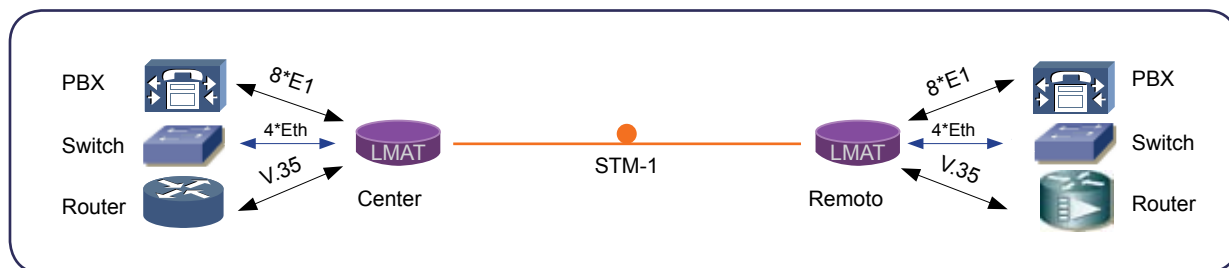
Timing

Inner clock, STM-1 line clock, E1 interface clock, external clock.

Mechanical/Electrical

Dimension:	44mm x 138mm x 440mm (H/D/W)	Working temp:	0 ~ 45°C
Net weight:	2kg	Humidity:	0-90%RH (non-condensing)
Power (AC):	100 ~ 240 V, 50/60Hz	Ethernet socket:	RJ-45
Power (DC):	-48 V (-58V ~ -38V)	V.35 socket:	DB25
Consumption:	\leq 10W	E1 socket:	RJ48

Typical Application



> Ordering Information

Card/Module Type	Description
H9MO-LMAT841/EJ	SDH TM Multiplexer. 1STM-1, 8E1+4FE+1V.35. STM-1 interface (Default S1.1), SC/PC. (L1.1,L1.2, Single fiber Bi-Directional options are available) . E1 is 75ohms/120ohms selectable. RJ45 Type. BH4.850.105A or BH4.850.122 Cable Should be ordered Separately when used as 75ohms. AC/DC power supply
H9MO-LMAT840/EJ	SDH TM Multiplexer. 1STM-1, 8E1+4FE. STM-1 interface (Default S1.1), SC/PC. (L1.1,L1.2, Single fiber Bi-Directional options are available) . E1 is 75ohms/120ohms selectable. RJ45 Type. BH4.850.105A or BH4.850.122 Cable Should be ordered Separately when used as 75ohms. AC/DC power supply
H9MO-LMAT800/EJ	SDH TM Multiplexer. 1STM-1, 8E1. STM-1 interface (Default S1.1), SC/PC. (L1.1,L1.2, Single fiber Bi-Directional options are available) . E1 is 75ohms/120ohms selectable. RJ45 Type. BH4.850.105A or BH4.850.122 Cable Should be ordered Separately when used as 75ohms. AC/DC power supply
H9MO-LMAT810F/EJ	SDH TM Multiplexer. 1STM-1, 8E1+Fx. STM-1 interface (Default S1.1), SC/PC. (L1.1,L1.2, Single fiber Bi-Directional options are available) . E1 is 75ohms/120ohms selectable. RJ45 Type. BH4.850.105A or BH4.850.122 Cable Should be ordered Separately when used as 75ohms. Ethernet interface is 100Base-Fx. (1310nm). AC/DC power supply