



Overview

H9MO-LMA is a member of Huahuan's Metro-Edge Express SDH/MSPP 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 Metro-Edge Express include H9MO-LMX, H9MO-LM, H9MO-LMFIT, H9MO-LMV, H9MO-LM63, etc.

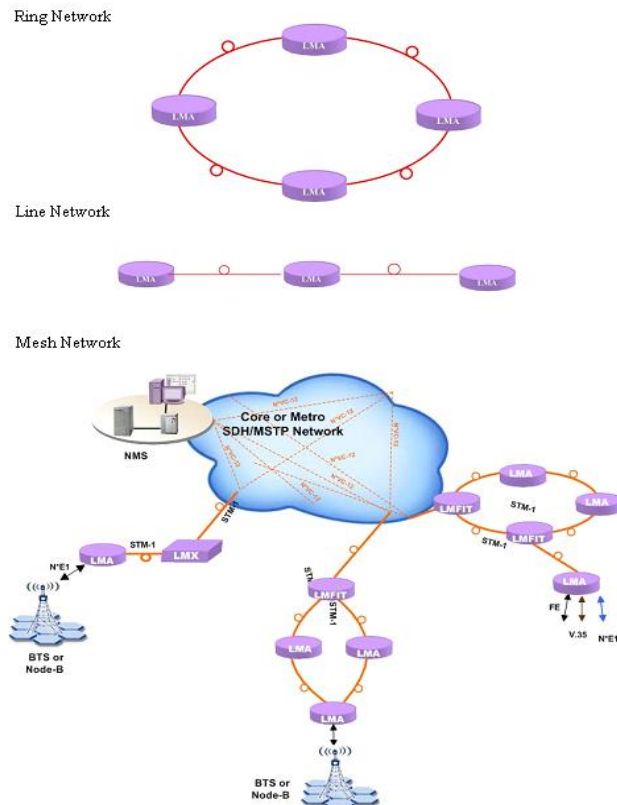
The H9MO-LMA is derived from the card-based H9MO-LMFIT to provide a more cost effective solution. It is of single board design with fixed number of interface ports. As an ADM MUX, it has two STM-1 fiber optic ports, and a set of service ports. According to the number of service ports, the H9MO-LMA comes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

Model	STM-1 optical Ports	E1 Ports	Ethernet Ports	V.35 Ports
H9MO-LMA841	2	8	4	1
H9MO-LMA840	2	8	4	0
H9MO-LMA800	2	8	0	0
H9MO-LMA441	2	4	4	1
H9MO-LMA440	2	4	4	0
H9MO-LMA401	2	4	0	1

Features

1. ADM, suitable for ring and linear topologies
2. Supports MSP and SNCP protection switching
3. Flexible options for the STM-1 fiber optic interface, including single fiber duplex, as well as different power and wavelength choices.
4. Multi-Service, including E1, FE, V.35
5. Standard based GFP/VC-12 VCAT EoS
6. Built-in BERT and loop-back capabilities
7. Framed and unframed V.35
8. Remote AC power failure alarm
9. Standard 19 inch 1RU box, compact, lightweight, low power consumption
10. Dual mode power supply, -48V DC or 100~240V AC field selectable
11. RoHS compliant

Application



Technical Specification

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 \pm 50 ppm
Line code: HDB3
Impedance: Default: 75 Ω Option /T: 120 Ω
Frame Structure: Non-framed
Number of ports: H9MO-LMA841: 8 H9MO-LM441: 4

V.35 Port

Bit rate: Nx64kbps \pm 50 ppm, N \leq 31
Frame Structure: G.704 or unframed
Interface mode: DCE or DTE
Number of ports: 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: 4

Management Port

Ethernet: RJ45, 10Base-T, MDI port
Others: DCC, E1(VC-12)

Timing

Internal, STM-1 Line, E1 tributary line

Mechanical/Electrical

Dimension: 44mm x 138mm x 440mm (H/D/W)
Net weight: 2kg
Power (AC): 100 ~ 240 V, 50/60Hz
Power (DC): -48 V (-58V ~ -38V)
Consumption: \leq 10W
Working temp: 0 ~ 50°C
Humidity: 0-95%RH (non-condensing)
Ethernet socket: RJ-45
V.35 socket: DB25
E1 socket: RJ48