



Overview

H9MO-LMFE is a carrier-class, cost-effective, compact (only 1U high), STM-1/STM-4 SDH/MSPP platform that is designed for application in metro and access networks to facilitate the efficient transport of traditional TDM and emerging data traffic for service providers.

H9MO-LMFE is a card based compact SDH equipment, designed mainly as a gateway node between the core SDH network and a number of remote CPE boxes. It may also be used as a multi service SDH ADM node in a typical ring or mesh network. The 1U high 19" wide chassis of the H9MO-LMFE has 8 slots, with 2 slots for the DC(1+1)/AC power supply, 1 slot for network management card, 1 slots for STM-1/STM-4 uplink, and 4 slots left for services (STM-1, Ethernet, E1, E3/DS3,V.35 Etc.).

Features

1. Support up to STM-4 rate SDH service
2. Support 1+1 MSP, SNCP protection
3. Ethernet service supporting GFP encapsulation, VC12 virtual concatenation (1~63 VC12) and LCAS
4. Management channel can be DCC bytes or E1 (VC12)
5. Inter-working with popular SDH/MSPP products of various vendors
6. Easy commissioning and maintenance
7. High integration, compact design
8. High reliability, low CAPEX and OPEX

Technical specification

| Index | | Performance Parameter | |
|---------------------------|------------------|---|---|
| SDH interface | Max | STM-1 | 10 |
| | | STM-4 | 2 |
| | Connector | | SC/PC, SFP |
| | Spec. | | S-1.1, L-1.1, L-1.2, S4.1, L4.1 |
| Service Card | PWR01 | | DC-48V power card, 1+1 backup |
| | PWR02 | | AC220V power card |
| | NM02 | | EMS Management Card |
| | OX01 | | Dual STM-1 aggregation optical card |
| | EX01 | | Dual STM-1 aggregation electrical card |
| | OX04 | | Dual STM-4 aggregation optical card |
| | OS01 | | Dual STM-1 tributary optical card |
| | OS02A | | Ethernet +Dual STM-1 tributary optical card |
| | OS03 | | Ethernet +Single STM-1 tributary optical card |
| | EP01A | | 24×E1 (120Ω, DB60) |
| | EP03 | | 12×E1 (75Ω or 120Ω) |
| | EP03A | | 12×E1 (120Ω, DB60) |
| | EP02 | | 1×E3/DS3 |
| | FE01 | | 4 FE over 4 VCG trunks (EoS) |
| | FE02 | | 4 Fx over 4 VCG trunks (EoS), SFP |
| | FE04 | | 4 FE over 1~16E1 (EoE) |
| | FE05 | | 4 Fx over 1~16E1 (EoE), SFP |
| | FE06 | | Ethernet aggregation, EOS, aggregation ratio: 8:2, dual FE ports |
| | FE07 | | EOE, Ethernet aggregation, aggregation ratio: 8:2, dual FE ports |
| | GX01 | | EOS, Ethernet aggregation, aggregation ratio: 8:1, single GE port |
| GX02 | | EOE, Ethernet aggregation, aggregation ratio: 8:1, single GE port | |
| ED01 | | 2×V.35 Card (framed or unframed) | |
| DX02 | | Full 64E1 DS0 cross connection (2048×2048,64K) | |
| LA01 | | Order wire card | |
| PDH interface | Max E1 | | 96E1 |
| | Max E3/DS3 | | 4 E3 |
| Ethernet | Interface speed | | 10/100Base-Tx or 100Base-Tx, Comply with IEEE 802.3 |
| | Max FE Interface | | 16FE(4FE/card) |
| | Encapsulation | | Comply with ITU-T G.7041 (VCAT, GFP, LCAS) |
| V.35 | Max Interface | | 8V.35(2V.35/card) |
| Cross-connect Capacity | Uplink STM-1 | | 16×16 VC4; 48×48VC3 |
| | Uplink STM-4 | | 1008×1008VC12 |
| NMS | Interface | | 10/100 Base-T (can be cascaded) |
| EOW interface | | | Standard socket RJ11 |
| Physical Dimension(H/D/W) | | | 1U: 440 × 44 ×280 (mm) |
| Power | Supply | | -48V DC /220V AC |
| | Consumption | | ≤40W |
| Environment | Temperature | | 0°C~50°C |
| | Humidity | | ≤90 %(non-condensing) |
| Weight (full-load) | | | ≤3.5KG |

Typical application

