H901MPSG-G Board

The H901MPSG-G board is a super control unit board for optical access. It is the core for system control and service switching and aggregation, and is used for MA5800-X2 subracks.

Benefits

- Supports active/standby switchover at the control plane
- Supports load sharing mode at the forwarding plane, doubling processing performance
- Supports ISSU, saving the upgrade interruption time

External Interfaces

- **Management interfaces**
  - **CON (RJ-45)/ESC (RJ-45)**

    RS-232 serial port/RS-485 monitoring serial port
  - **ETH (RJ-45)**

    10/100/1000M Base-T maintenance network port
  - **ALM port**

    7 alarm digital inputs and 1 alarm digital output
  - **USB**

    Reserved
- **Communication Interfaces**
  - **GE3 and GE2: supports 2 GE**
  - **10GE1/GE1 and 10GE0/GE0: supports 2 10GE/GE**

    Used for upstream transmission or cascading

Specifications

Function	
Bandwidth per slot	40 Gbit/s (load sharing mode)
MAC address table	262143
Access ONT	4096
Multicast user	4096
IPv4 routing table	65536
IPv6 routing table	16384
Service port	32768
ND table	16384
ARP table	32768
Maximum Frame Size	2052 bytes 9216 bytes (jumbo frame enabled)

Environment	
Operating temperature	-40°C to +65°C
Power consumption	Static: 26 W
	Maximum: 41 W

📖 **NOTE**

In the preceding table, the IPv4 routing table and ARP table share the same storage space. The IPv6 routing table and ND table share the same storage space.