H903MPLA Board

The H903MPLA 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-X17/X15/X7 subracks.

HUAWEI

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
- Supports synchronization Ethernet
- Supports 1588v2 and 1588ACR with proper daughter boards

External Interfaces

- **Management interfaces**
- ➢ **CON (RJ-45)**
  RS-232 serial port
- ➢ **ETH (RJ-45)**
  10/100/1000M Base-T maintenance network port
- ➢ **ESC (RJ-45)**
  RS-485 monitoring serial port
- ➢ **USB**
  Reserved
- **Communication Interfaces**
- ➢ **TX RX0 to TX RX3 (4 x SFP+/SFP 10GE/GE ports)**
  Used for upstream transmission or cascading

Specifications

Function	
Bandwidth per slot	100 Gbit/s (load sharing mode)
MAC address table	262143
Access ONT	17408
Multicast user	17408
IPv4 routing table	65536
IPv6 routing table	16384
Service port	139264
ND table	16384
ARP table	131072
Maximum Frame Size	2052 bytes 9216 bytes (jumbo frame enabled)
Environment	
Operating temperature	-40°C to +65°C
Power consumption	Static: 48 W
	Maximum: 85 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.