

H901MPSC Board

The H901MPSC 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
- Supports synchronization Ethernet
- Supports 1588v2

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
 - **BITS/TOD port**
1 external clock/time input and output
 - **ALM port**
7 Boolean value inputs and 1 Boolean value output
 - **USB**
Reserved
- **Communication Interfaces**
 - **L/A 0 to L/A 3 (4 x SFP+/SFP 10GE/GE ports)**
Used for upstream transmission or cascading

Specifications

Function	
Bandwidth per slot	80 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
ARP table	98816 (V100R017C10 version) 131072 (V100R018C00 and V100R018C10 versions) 32768 (V100R019C00 and later versions)
Maximum Frame Size	2052 bytes 9216 bytes (jumbo frame enabled)
Environment	
Operating temperature	-40° C to +65° C
Power consumption	Static: 53 W
	Maximum: 67 W

NOTE

In the preceding table, the routing table and ARP table share the same entries.