

H801MCUD1 Board

The H801MCUD1 board is an integrated optical-copper mini control unit board. It is the core for system control and service switching and aggregation, and is used for MA5608T subrack.



Benefits

- Supports up to 256 Gbit/s switching capacity
- Supports active/standby mode and load sharing mode, doubling processing performance
- Supports ISSU, saving the upgrade interruption time
- Supports synchronization Ethernet, 3-stratum clock and 1588v2

External Interfaces

- **Management interfaces**
 - **CONSOLE/ESC (RJ-45)**
 - ✓ CONSOLE: RS-232 serial port.
 - ✓ ESC: RS-485 monitoring serial port
 - **ETH (RJ-45)**
 - 10/100M Base-T maintenance network port
 - **BITS/TOD (RJ-45)**
 - ✓ 1 input and 1 output of BITS clock signals.
 - ✓ 1 input and 1 output of 1PPS+TOD time signals.
 - **ALARM IN/OUT (RJ-45)**
 - 7 alarm digital inputs and 1 alarm digital output
- **Communication Interfaces**
 - **GE0, GE1 (2 x SFP GE ports)**
 - **10GE0/GE2, 10GE1/GE3 (2 x SFP+ 10GE/GE ports)**
 - Used for upstream transmission or cascading

Specifications

Function	
LAN switch	24 x GE + 4 x 10GE
Switching capacity	• 128 Gbit/s (active/standby mode) • 256 Gbit/s (load sharing mode)
Bandwidth per slot	• 10 Gbit/s (active/standby mode) • 20 Gbit/s (load sharing mode)
MAC address table	32768
Access ONT	• Before the V800R015C10 version: 2048 • V800R015C10 and later versions: 4096
Multicast user	4096
Number of static programs configurable	4096
Maximum number of online programs supported	2000
IPv4 routing table	5120
IPv6 routing table	5120
Service port	20480
ARP table	8192
ACL rule	ACLv4: 768; ACLv6: 256
Maximum Frame Size	2052 bytes. After the jumbo frame function is enabled, a maximum of 9216 bytes can be supported.
VRF (L3 VPN)	Supported
Environment	
Operating temperature	-40° C to +65° C
Power consumption	Static: 29 W Maximum: 33 W