# H801MCUD Board

The H801MCUD 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

## External Interfaces

- **Management interfaces**
  - **CONSOLE/ESC (RJ-45)**
    - ✓ CONSOLE: RS-232 serial port.
    - ✓ ESC: RS-485 monitoring serial port
  - **ETH (RJ-45)**
    100M Base-T maintenance network port
  - **AUX (RJ-45),** Reserved
  - **ALARM IN/OUT (RJ-45)**
    7 alarm digital inputs and 1 alarm digital output
- **Communication Interfaces**
  - **GE0 to GE3 (4 x SFP 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)<br>• 256 Gbit/s (load sharing mode) |
| Bandwidth per slot | • 10 Gbit/s (active/standby mode)<br>• 20 Gbit/s (load sharing mode) |
| MAC address table | 32768 |
| Access user | • Before the V800R015C10 version: 2048<br>• V800R015C10 and later versions: 4096 |
| Multicast user | 2048 |
| 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: 24 W<br>Maximum: 26 W |