

H801GPMD Board

H801GPMD is an 8-port GPON OLT Interface Board, which works with the CMC to provide GPON access service in the MSO scenario.



Benefits

- **High-precision clock and time synchronization:** 50-ppb frequency synchronization and 100-ns phase synchronization
- **High reliability**
 - Chip-level type B protection switching, shortening the switching time to less than 50 ms
 - Type C protection dual-homing, providing geography-level disaster recovery
 - Real-time rogue ONU detection and isolation, ensuring stable service running
- **Easy OAM**
 - Variable-length OMCI, improving upgrade efficiency and reducing break off time
 - A maximum distance difference of 40 km between two ONUs under the same PON port, simplifying network planning
 - 1:64 eOTDR, supporting accurate fault demarcation and quick fault locating

External Interfaces

8 GPON ports with SFP optical modules:

- Max. split ratio:
 - Class B+: 1:64
 - Class C+/C++: 1:128

Specifications

Function	
Forwarding capability	20 Gbit/s
T-CONTs per PON port	1024
Service flows per PON board	6144
Maximum frame size	2004 bytes
MAC addresses	16384
Maximum distance difference between two ONUs under the same PON port	40 km from V800R013
N:1/1:1 VMAC	Supported
FEC	Bidirection
CAR group	Supported
IPv6	Supported
4-level HQoS	Not supported
Variable-length OMCI	Supported from V800R013
ONU-based shaping or queue-based shaping	Supported
Load sharing	Supported
High-precision clock and time synchronization	Supported
Type B (single-homing)/Type C protection	Supported
Rogue ONU detection and isolation	Supported
Automatic shutdown at high temperature	Supported
Automatic shutdown of an idle port	Supported
1:64 eOTDR	Supported (used together with the reflector)

Environment

Operating temperature	-40° C to +65° C
Power consumption	<ul style="list-style-type: none">• Static: 32 W• Maximum: 46 W