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# Overview

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

## Quick Specification

| Model | H801GPMD |
|---|---|
| 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 |

# Product Details:

**The Front Panel:**

## Product Details:

**H801GPMD provides these 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

**H801GPMD provides these external interfaces:**

8 GPON ports with SFP optical modules:
· Max. split radio:
- Class B+: 1:64
- Class C+/C++: 1:128

## Compare To Similar Items:

| Model | H806GPBH | H801GPMD |
|---|---|---|
| Forwarding capability | 20 Gbit/s | 20 Gbit/s |
| T-CONTs per PON port | 1024 | 1024 |
| Service flows per PON board | 8184 | 6144 |
| Maximum frame size | 2004 bytes | 2004 bytes |
| 4-level HQoS | Not supported | Not supported |

Get more information:

Do you have any question about H801GPMD?

Contact us now via e-mail: info@hi-network.com

## Specific Data Sheet:

| Model | H801GPMD |
|---|---|
| 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 | Static: 32 W<br>Maximum: 46 W |

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