H805GPFD Board

The H805GPFD board is a 16-port GPON OLT interface board. It works together with the ONU to provide the GPON access service.

HUAWEI

Benefits

High density and energy saving

- High density and low power consumption, supporting 2K access users
- Manual shutdown of idle PON ports, preventing power waste
- A maximum distance difference of 40 km between two ONUs under the same PON port, simplifying network planning

Intelligent management channel

- 4-level HQoS, improving user experience
- 9K jumbo frames, greatly improving transmission efficiency

Efficient OAM

- Real-time rogue ONU detection and isolation, ensuring stable service running
- Variable-length of OMCI, improving upgrade efficiency and reducing break off time
- 1:64 eOTDR, supporting accurate fault demarcation and quick fault locating

External Interfaces

16 GPON ports with SFP optical modules:

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

Specifications

Function

Forwarding capability	40 Gbit/s
T-CONTs per PON port	1K
Service flows per PON board	16K
Maximum frame size	2004 bytes
	9216 bytes (jumbo frame enabled)
MAC addresses	32K
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	Supported
Variable-length OMCI	Supported from V800R013
ONU-based shaping or queue-based shaping	Supported
Load sharing	Supported
High-precision clock time synchronization	Supported
Type B/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 (with FBG)

Environment

Operating temperature	-40° C to +65° C
Power consumption	• Static: 26 W
	• Maximum: 50 W