

H801XGBD Board

H801XGBD is an 8-port 10G GPON OLT Interface Board, which works with the ONU to provide 10G GPON access service.



Benefits

- **High reliability**
 - > Chip-level type B protection switching
 - > Real-time rogue ONU detection and isolation, ensuring stable service running
- **Intelligent management channel**
 - > 4-level HQoS, improving user experience
 - > 9216 jumbo frames, greatly improving transmission efficiency
- **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

External Interfaces

8 * 10G GPON ports with SFP+ optical modules:

- Max. split ratio: 1:256

Specifications

Function	
Port Rate	Tx: 9.95 Gbit/s Rx: 2.49 Gbit/s
Forwarding capability	40 Gbit/s
T-CONTs per PON port	2048
Service flows per PON board	16368
Maximum frame size	2004 bytes 9216 bytes (jumbo frame enabled)
MAC addresses	8192
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 (Port/ONU/Queue/Merge-queue)	Supported
Variable-length OMCI	Supported
ONU-based shaping or queue-based shaping	Supported
Load sharing	Supported
Type B protection	Supported
Rogue ONU detection and isolation	Supported
Automatic shutdown at high temperature	Supported
Automatic shutdown of an idle port	Supported
Environment	
Operating temperature	-40° C to +65° C
Power consumption	• Static: 26 W • Maximum: 50 W