

H901GPSF Board

H901GPSF is a 16-port GPON OLT interface board, which works together with the ONU to implement GPON access services.



Benefits

- **High density and energy-conversation**
 - High density and low power consumption, supporting access of 2048 users
 - Manual disabling of idle PON ports, saving energy
 - 40-km distance of two ONUs under the same PON port, simplifying network planning
- **Intelligent management channel**
 - 2-hierarchical HQoS, improving user experience
- **Easy OAM**
 - Real-time rogue ONU detection and isolation, ensuring stable service running
 - Variable-length OMCI, improving upgrade efficiency and reducing break off time

External Interfaces

16 GPON ports

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

Specifications

Function	
Forwarding capability	40 Gbit/s
T-CONTs per PON port	1024
Service flows per PON board	16384
Maximum frame size	2004 bytes
Maximum number of MAC addresses	16384
Maximum distance difference between two ONUs under the same PON port	40 km
FEC	Bidirection
CAR group	Supported
Queue scheduling hierarchy	2-hierarchical HQoS
Variable-length OMCI	Supported
ONU-based shaping or queue-based shaping	Supported
Load sharing	Supported
Type B protection (dual-homing)	Not supported
Type B Protection (single-homing) / Type C protection	Supported
1588v2	Not supported
Rogue ONU detection and isolation	Supported
Automatic shutdown at high temperature	Supported
Automatic shutdown of an idle port	Supported
D-CCAP networking	Supported
1.64 eOTDR	Supported (with FBG)
Environment	
Operating temperature	-40° C to +65° C
Power consumption	Static: 25 W Maximum: 50 W