

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 2K 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, ensuing stable service running
 - Variable-length OMCI, improving upgrade efficiency and reducing break off time

External Interfaces

16 GPON ports (SFP optical module)

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

Specifications

Function	
Forwarding performance	40 Gbit/s
T-CONTs per PON port	1024
Service flows per PON board	16384
Maximum frame length	2004 bytes
Maximum number of MAC addresses	16K
Distance of two ONUs under the same PON port	40 km
FEC	Bidirectional
CAR group	Supported
2-hierarchical HQoS	Supported
Variable-length OMCI	Supported
ONU-based shaping and queue-based shaping	Supported
Load sharing	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: 25 W Maximum: 50 W

