

FD1601S-C2

1PON PORT GPON OLT



CMS Management



1:128



Mini Size



**Without Fans
(Noiseless)**



Dedicated Chip

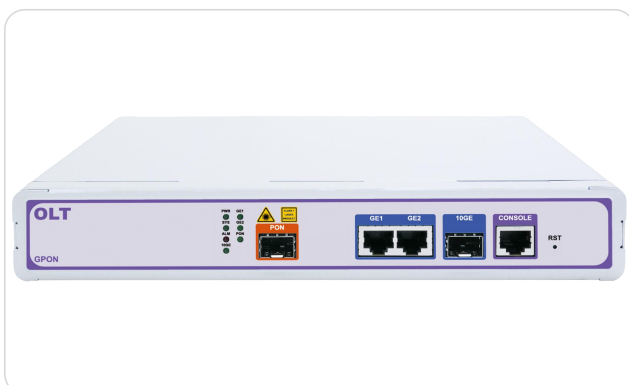


Single Port

Brief Views

GPON OLT FD1601S-C2 completely meets relative standard of ITU-T. It is 1U rack-mounted device with 1 10 Gigabit uplink ports, and 1 GPON ports. The GPON port supports the splitting ratio of 1:128.

This product meets the requirements in device performance and size of compact server room as the product has high performance and compact size, which is convenient and flexible to use, and is easy to deploy as well. Moreover, the product meets the requirements of promoting network performance, improving reliability and reducing power consumption in the perspective of access network and enterprise network and is applicable to three-in-one broadcast television network, FTTP (Fiber to the premise), video monitoring network, enterprise LAN (Local Area Network), internet of things and other network applications with a very high price/performance ratio.



Functional Feature

GPON Function

- ITU-T G.984/G.988 standard
- Support OMCI protocol
- T-CONT DBA
- GEMPORT traffic
- ONU auto discover
- Ranging function
- Downstream data encrypted

Layer 2 Switching Function

- Access/Trunk/Hybrid L2 access mode
- Support 64K MAC address
- Support 4094 VLANs
- VLAN filter function, VLAN transform
- L2 port mirror
- MAC address learning/aging

Multicast Function

- IGMP snooping
- IGMP V1/V2/V3
- Multicast VLAN translation

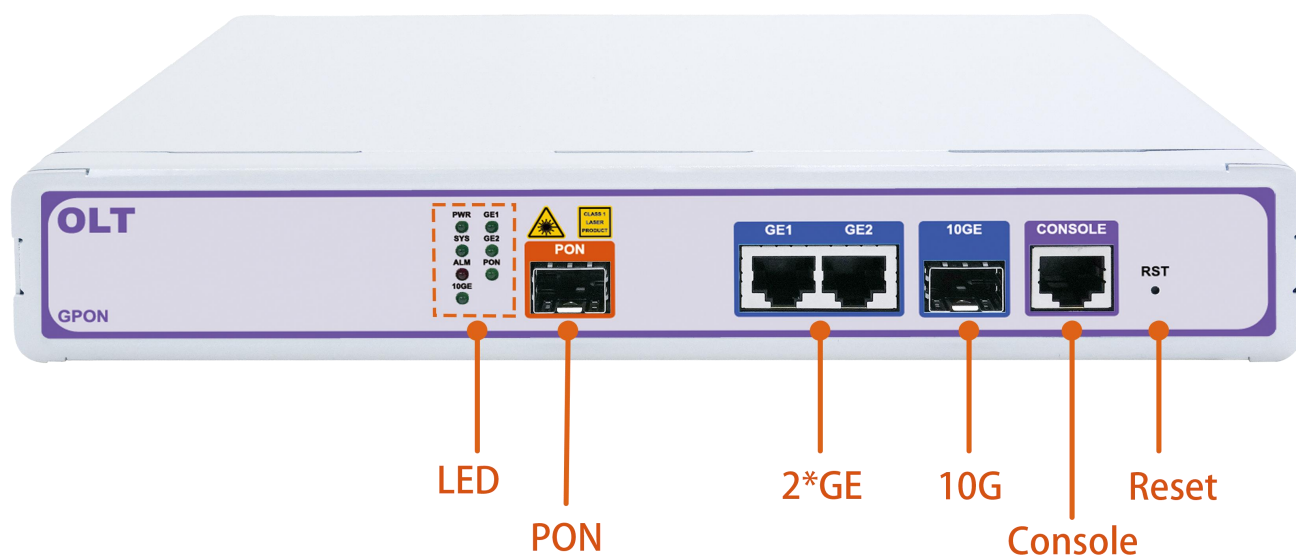
Management Function

- CLI/WEB/Telnet/SSH/MQTT
- Performance Management
- Alarm Management
- Security Management

Maintenance Function

- Device log
- Device upgrade
- Fault diagnose function
- Condition monitoring function

Product Interface and LED



Product Specification

Mechanics

Dimensions	260mm(L)*157mm(W)*40mm(H)
Weight	1.48Kg

Hardware

Uplink Port	2* 10/100/1000M auto-negotiation Ethernet ports		
	1* 10 Gigabit uplink SFP+ port		
PON Port	Quantity	1	
	Physical Interface	SFP slot	
	Interface Type	GPON: ITU-T G.984.2 Class B+/Class C+/Class C++	
	Max Splitting Ratio	GPON: 1:128	
Management Port		1* CONSOLE local management port	
PON Port Attribute	Transmission Distance	20KM	
	Port Rate	GPON: Downstream: 2.5Gbps Upstream: 1.25Gbps	
	Wavelength	Forwarding: 1490nm Receiving: 1310nm	
	Interface Type	SC/UPC	
	Fiber Type	9/125μm SMF (Single Mode Fiber)	
	Light Transmission Power	Class B+: +1.5 ~+5dBm	Class C+: +3 ~ +7dBm ClassC++: +4.5dBm~+10dBm
	Receiving Sensitivity	Class B+: -28dBm	Class C+: -30dBm ClassC++: -31dBm
	Saturation Power	Class B+: -8dBm	Class C+: -12dBm ClassC++: -10dBm
Backplane Bandwidth		27.75G	

Power supply

AC	100V ~ 240V, 47~63Hz
DC	1. External adapter mode 12V/3A with BBU 2. External adapter mode 12V/1.5A without BBU
Maximum Power	<12.8W

Environment

Working Temperature	-15 ~ 50°C
Storage Temperature	-40 ~ 85°C
Ambient Humidity	5 ~ 90% (Non-condensing)

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