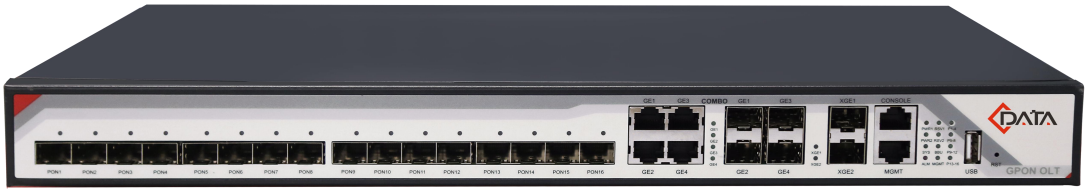
16PON PORTS GPON OLT

FD1616S-B0



Dedicated Chip

USB Interface

Back Battery Unit

Layer3 Switching

Brief Views

GPON OLT FD1616S-B0 completely meet relative standard of ITU G.984.x and IEEE 802.3x and FSAN, which is 1U rack-mounted device with 1 USB interface, 4 uplink GE ports, 4 uplink SFP ports, 2*10GE uplink ports and 16 GPON ports. Each GPON port supports the splitting ratio of 1:128. GPON system support 512 terminals accessing in for the most.

This product meets the requirements in device performance and size of compact server room as the product has high performance and compact size, which 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.

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Functional Feature

- Meet ITU-T G.984/G.988 standard and relative GPON standards of Chinese Communication Industry
- Support OMCI Protocol
- 1U height 16PON OLT product in compact design of Pizza-Box
- Complete PON protection switching function
- Layer 2 Switching Function

OLT equips with very powerful layer 2 Full Wire Speed Switching and completely supports layer 2 protocol. OLT supports varieties of layer 2 functions like TRUNK, VLAN, LACP, rate limit, port isolate, queue technology, flow control technology, ACL and so on, which provides technical guarantee for the development of multi-service integrated.

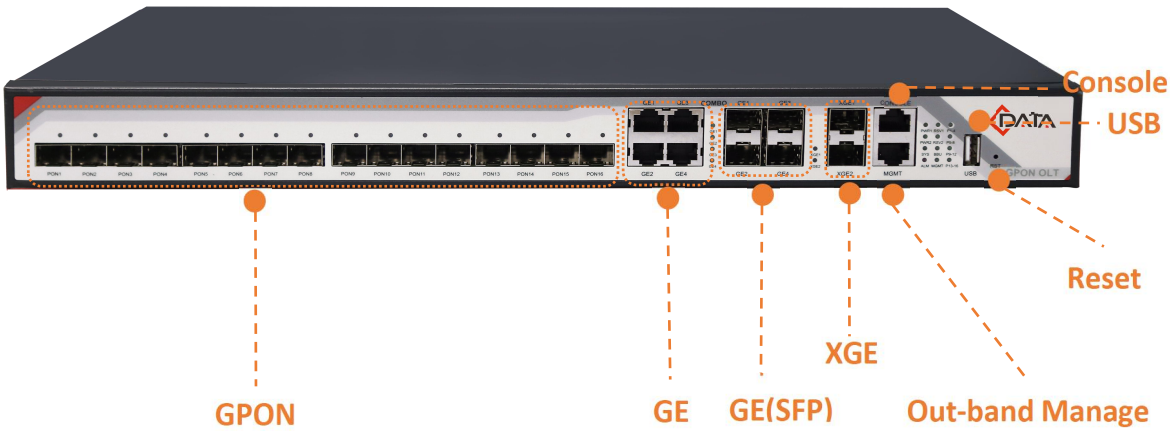
- QOS Guarantee

GPON Products maintains fully-improved DBA with excellent Qos service capabilities. DBA meets different Qos requirements from different service flow in latency, jitter, packet loss rate.

- Easy-to-Use Management System

Support management method of CLI, WEB, SNMP, TELNET, SSH and meet OMCI standard, through OMCI channel protocol service management can be realized, including ONT function parameter set, T-CONT business lines and amount, Qos parameters, configuration information request, performance statistics, auto-reporting of running events in system, configuration for ONT from OLT, fault diagnosis and management of performance and safety.

Product Interface



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Product Specification

ITEM		FD1616S-B0	
Management Rack	Type	1U 19-inch standard box	
Uplink Port	COMBO port	4 10/100/1000M auto-negotiation Ethernet ports	
		4 SFP interfaces	
	10-Gigabit	2 SFP+ interfaces	
PON Port	Quantity	16	
	Physical interface	SFP slot	
	Interface type	GPON: ITU-TG.984.2 Class B+/Class C+	
	Max splitting ratio	GPON: 1:128	
Management Port		1 100/1000BASE-Tx out-band Ethernet port 1 CONSOLE local management port	
USB Port		1 USB interface (It’s used to backup configuration, upgrade program, and record log information)	
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	9/125 μm SMF (Single Mode Fiber)	
	Light transmission power	Class B+ +1.5～+5dBm	Class C+ +3～+7dBm
	Receiving sensitivity	Class B+ : -28dBm	Class C+ : -30dBm
	Saturation power	Class B+ -8dBm	Class C+ -12dBm
Network management method		Support CLI、SNMP、TELNET、SSH、WEB	
Business capabilities		Support device log, device upgrade, device management, condition monitoring, configuration management, and user management. Layer 2 switching configuration management: Like port management, VLAN, RSTP, IGMP, ACL, QOS and so on. PON function configuration management: Like OLT authentication, DBA template, service template, line template and so on. Layer 3 function: support static routing, dhcp-relay and vlanif configuration	
Backplane Bandwidth		108G	
Size		440mm(L)*288mm(W)*44mm(H)	
Weight		5kg	
Power supply	220VAC	AC: 90V～240V，47/63Hz	
	-48DC	DC:-40V～-72V	

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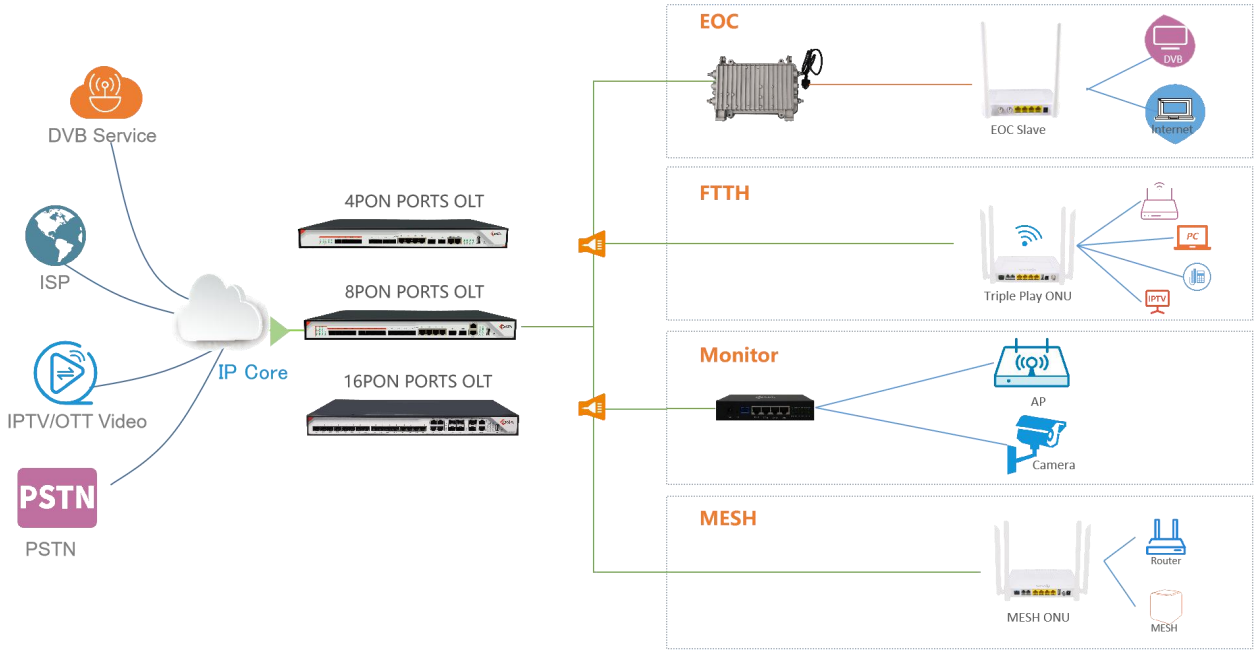
Maximum power		100W
Working environment	Working temperature	-15～50℃
	Storage temperature	-40～85℃
	Relative humidity	5～90% (Non-condensing)

Typical Application



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