

GPON OLT 1U

16 Port



Features & Benefits

- Compact design, 1U pizza box type
- Compliant with ITU-T G.984/G.988
- Type B PON protection
- Bulk ONU upgradation
- WEB, EMS, TELNET, SNMP, SSH
- ONT plug-and-play feature



Overview

PPC's GPON OLT meets the relative standard of ITU G.984.x and FSAN, which is a 1U rack-mounted device with one USB interface, four uplink GE ports, four uplink optical ports, two 10-gigabit uplink ports and 16 GPON ports. Each GPON port supports the splitting ratio of 1:128, provides downstream bandwidth of 2.5Gbps and upstream bandwidth of 1.25Gbps, and provides system support for 1024 GPON terminals accessing in. This product meets the requirements in device performance and in compact size for a server room. It's convenient and flexible to use, and is easy to deploy as well. The GPON OLT meets the requirements of promoting network performance, improving reliability and reducing power consumption for access networks and enterprise networks. It's applicable to three-in-one broadcast television network, fiber-to-the-premises (FTTP), video monitoring network, enterprise Local Area Network (LAN), internet of things and other network applications with a very high price/ performance ratio.

Technical Data

Specification		Value	
Management Rack	Type	1U 19 inch standard box	
	Slot	2 power module slot	
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	ITU-TG.984.2 Class B+/Class C+	
	Max splitting ratio	1:128	
Management Port		1 100/1000BASE-Tx out-band Ethernet port 1 CONSOLE local management port	
USB Port		1 Type-C interface Similar to the CONSOLE port function, used for serial port login	
PON Port attribute	Transmission distance	20KM	
	Port rate	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~+3dBm	Class C+ +3~+5dBm
	Receiving sensitivity	Class B+ -28dBm	Class C+ -28dBm
	Saturation power	Class B+ -8dBm	Class C+ -11dBm
Network management method		Support CLI, SNMP, TELNET, SSH, WEB	

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Technical Data

Specification		Value
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.
Backplane Bandwidth		136G
Dimensions (LxWxH)		440 mm x 391 mm x 44 mm
Weight		4kg
Power supply	220VAC	AC: 90V~240V, 47/63Hz
Maximum power		70W
Working environment	Working temperature	0 °C to 50 °C (32 °F to 122 °F)
	Storage temperature	-40 °C to 85 °C (-40 °F to 185 °F)
	Relative humidity	5~90% (Non-condensing)

Ordering Information

Part Number	Description
GOLT1GP16GC04T02CD	GPON OLT 1RU, 16*GPON, 4*GE Combo, 2*10GE SFP+ with Dual AC power supply