



## Maipu PT4330 Series GPON OLT

GPON networks can provide high throughput point-to-multipoint connections from the Point of Presence to the customer premise. It can be profitably used in large scale deployments of triple-play services as it offers a low CAPEX and OPEX. It is also possible to optimize TCO when fiber resources are limited, by deploying point-to-point passive optical networks. The Maipu supports latest GPON technologies and realize high speed internet access, which offers 2.5Gbps downstream and 1.25Gbps upstream bandwidth.

Maipu PT4330 series OLT is a 1U height GPON OLT with 4/8/16 PON ports that meets flexible and fast FTTx access, suiting the scenarios such as the sparse/remote/residential area, industrial park, commercial building and other campus network scenarios.

Maipu PT4330 series GPON OLT includes PT4330-04, PT4330-08, PT4330-16 three models.

PT4330-04 provides 4\*GPON Ports, 2\*GE RJ45 and 2\*10G SFP+ Interfaces, 2\*Power Slots.

PT4330-08 provides 8\*GPON Ports, 4\*GE RJ45, 2\*1G SFP and 2\*10G SFP+ Interfaces, 2\*Power Slots.

PT4330-16 provides 16\*GPON Ports, 4\*GE RJ45 and 4\*10G SFP+ Interfaces, 2\*Power Slots.

*(Note: The product information may not be latest. For the latest, please contact [overseas@maipu.com](mailto:overseas@maipu.com))*

## Product Features

or business.

[Small size and lightweight, easier to delivery and install](#)

The PT4330 adopts 1U small size and lightweight design, easy to transport and install. Supports multiple installation modes, like limited room space, basement, low-voltage room and small rack or cabinet.

[Carrier-class security protection, ensure the safe operation of network](#)

The PT4330 supports uplink redundancy protection including spanning tree protocols such as STP, RSTP and MSTP which can realize link protection.

[Large coverage for low density areas](#)

The PT4330 can be used together with C++/C+++ GPON optical modules supporting high optical power budgets and one-stop solutions to achieve fast coverage of long-distance FTTH networks. It can be used together to achieve long-distance and reliable FTTH access, saving 70% deployment time, and balancing investment and network coverage.

[Redundant power supply for high availability](#)

The PT4330 adopts redundant power supply design which supports two modular power slots. Customers can choose AC or DC power module based on requirement.

[Comprehensive network management](#)

The PT4330 provides SHELL, TELNET, SNMP, SSH, TR069 management to realize large-scale network management and friendly man-machine interface, and provide powerful support for users to manage devices and control network status.

## Product Specifications

### Hardware Features

Item	PT4330-04	PT4330-08	PT4330-16
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Ethernet Port	RJ45(1G)	2	4	4
	SFP(1G)	/	2	/
	SFP+(10G)	2	2	4
GPON Port	GPON Port	4	8	16
	Connector Type	Class (Class C++/Class C+++)		
	Max splitting ratio	1:128		
Dimension (L*W*H)		442mm*220mm*43.6mm	442mm*320mm*43.6mm	
Net weight (single power)		2.95kg	4.05kg	4.8kg
Gross weight (single power)		4.15kg	5.65kg	6.4kg
Power Consumption		35W	45W	85W
Working Temperature		0°C ~+50°C		
Storage Temperature		-40~+85°C		
Relative Humidity		5~90% (non-conditioning)		
Management Ports		1*10/100/1000BASE-T out-band port, 1*CONSOLE port, 1*USB2.0		1*10/100/1000BASE-T out-band port, 1*CONSOLE port, 1*USB2.0, 1*Type-C USB (for console)
PON Port Specification	Max. Transmission Distance	20KM		
	Max. Speed	Upstream 1.244Gbps, Downstream 2.488Gbps		

	Fiber Type	9/125μm SMF
	TX Power	+4.5~+10dBm
	Rx Sensitivity	≤-30dBm
	Saturation Optical Power	-12dBm
	Management Mode	TR069 ACS, WEB, SNMP, Telnet, CLI
<b>Software Features</b>		
		SNMP, Telnet, CLI, WEB, SSH
	Management	Port Status monitoring and configuration management
		Online ONT configuration and management
		User management
		Alarm management
	Layer2 Switch	32K Mac address
		Support 4096 VLANs
		Support port VLAN and protocol VLAN
		Support VLAN tag/Un-tag, VLAN transparent transmission
		Support VLAN translation and QinQ

	Support port isolation
	Support port rate limitation
	Support 802.1D and 802.1W
	Support LACP
	QoS based on port, VID, TOS and MAC address
	Access control list
	IEEE802.x flow control
	Port stability statistic and monitoring
L2 Multicast	IGMP snooping
	2K IP Multicast Groups;
DHCP	DHCP server, DHCP relay, DHCP snooping
	DHCP option82
Layer 3 Protocols	ARP proxy
	4096 hardware Host Routes
	512 hardware Subnet Routes
	Support 802.1X, Radius, Tacacs+
	Support IP source guard

GPON Features

Tcont DBA

Gemport traffic

In compliant with ITU-T984.x standard

Up to 20KM transmission Distance

Support ONT auto-discovery/link detection/remote upgrade of software

Support VLAN division and user separation to avoid broadcast storm

Support power-off alarm function, easy for link problem detection

Support broadcasting storm resistance function

Support port isolation between different ports

Support ACL to configure data packet filter flexibly

Close



## Order Information

Series	Model	Description
PT4330 GPON OLT Host		
PT4330 Series	PT4330-04	4*GPON Ports,2*GE RJ45 and 2*10G SFP+ Interfaces, 2*Power Slots.
	PT4330-08	8*GPON Ports,4*GE RJ45, 2*1G SFP and 2*10G SFP+ Interfaces, 2*Power Slots.
	PT4330-16	16*GPON Ports,4*GE RJ45 and 4*10G SFP+ Interfaces, 2*Power Slots.

Close



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