

## 1. Introduction

C1600 series EPON OLT products are 1U height 19 inch rack mount products. The features of the OLT are small, convenient, flexible, easy to deploy, high performance. It is appropriate to be deployed in compact room environment. The OLTs can be used for “Triple-Play”, VPN, IP Camera, Enterprise LAN and ICT applications.



C1600-4 PON

C1600-4 PON provides 2GE(copper) and 2SFP slots independent interface for uplink, and 4\*EPON OLT ports for downstream. It can support 64 ONUs under 1:64 splitter ratio.

## 2. Technical Specifications

Item		C1600-4 PON OLT
Chassis	Rack	1U 19 inch standard box
1000M Uplink Port	QTY	4
	Copper	2*10/100/1000M auto-negotiation
	SFP(independent)	2*SFP
EPON Port	QTY	4
	Physical Interface	SFP Slots
	Connector Type	1000BASE-PX20+
	Max splitting ratio	1:64
Management Ports		1*10/100BASE-T out-band port, 1*CONSOLE port
PON Port Specification	Transmission Distance	20KM
	EPON port speed	Symmetrical 1.25Gbps
	Wave length	TX 1490nm, RX 1310nm
	Connector	SC/PC
	Fiber Type	9/125μm SMF
	TX Power	+2~+7dBm
	Rx Sensitivity	-27dBm
	Saturation Optical Power	-6dBm
Management Mode	SNMP, Telnet and CLI	
	EMS	
	WEB	
Management Function	Fan Group Detecting; Port Status monitoring and configuration management; Layer2 switch configuration such as VLAN, Trunk, RSTP,IGMP,QOS, etc; EPON management function: DBA,ONU authorization, ACL, QOS, etc; Online ONU configuration and management; User management; Alarm management.	

Layer2 Switch	16 K 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 storm control based on port Support port isolation Support port rate limitation Support 802.1D and 802.1W; Support static LACP; QOS based on port,VID,TOS and MAC address; Access control list; IEEE802.x flow control; Port stability statistic and monitoring. Onu switch in the same pon
Multicast	IgmP snooping 256 IP Multicast Groups;
EPON Function	Support port-based rate limitation and bandwidth control; In compliant with IEEE802.3ah standard; Up to 20KM transmission Distance; Support data encryption, multi-cast, port VLAN, separation, RSTP, etc; Support Dynamic Bandwidth Allocation (DBA); Support ONU auto-discovery/link detection/remote upgrade of software; Support VLAN division and user separation to avoid broadcast storm; Support various LLID configuration and single LLID configuration; Different user and different service could provide different QoS by means of different LLID channels; Support power-off alarm function,easy for link problem detection; Support broadcasting storm resistance function; Support port isolation between different ports; Support ACL and SNMP to configure data packet filter flexibly; Specialized design for system breakdown prevention to maintain stable system; Support dynamic distance calculation on EMS online; Support RSTP,IGMP Proxy.
Dimension(L*W*H)	442mm*200mm*43.6mm

Weight		3.1kg	4.2kg
Power Supply	220VAC	AC:90~264V, 47/63Hz Support Redundant Power	
Power Consumption		25W	30W
Operating Environment	Working Temperature	-10~+55°C	
	Storage Temperature	-40~+85°C	
	Relative Humidity	5~90%(non-conditioning)	