

Introduction

V1600D4-L 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. There are two members in this series, V1600D2-L, and V1600D4-L.



V1600D2-L

V1600D2-L provides 2GE(copper) and 2SFP slots independent interface for uplink, and 2*EPON OLT ports for downstream. It can support 128 ONUs under 1:64 splitter ratio.



V1600D4-L

V1600D4-L provides 2GE(copper) and 2SFP slots independent interface for uplink, and

4*EPON OLT ports for downstream. It can support 256 ONUs under 1:64 splitter ratio.

Technical Specifications

Item		V1600D2-L	V1600D4-L
Chassis	Rack	1U 19 inch standard box	1U 19 inch standard box
1000M Uplink Port	QTY	4	4
	Copper	2*10/100/1000M auto-negotiation	2*10/100/1000M auto-negotiation
	SFP (independent)	2*SFP	2*SFP
EPON Port	QTY	2	4
	Physical Interface	SFP Slots	SFP Slots
	Connector Type	1000BASE-PX20+	1000BASE-PX20+
	Max splitting ratio	1:64	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;		

		<p>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</p>
Multicast		<p>Igmp snooping 256 IP Multicast Groups;</p>
EPON Function		<p>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.</p>
Dimension(L*W*H)		442mm*200mm*43.6mm
Weight		3.1kg 4.2kg
Power Supply	220VAC	AC:90~264V, 47/63Hz Support Double Hot Backup
Power Consumption		25W 30W
Operating Environment	Working Temperature	-10~+55℃

	Storage Temperature	-40~+85°C
	Relative Humidity	5~90% (non-conditioning)