

8PON EPON OLT Spec Sheet

(Model No.: V1600D8)

Brief Introduction

V1600D8 EPON OLT is 1U height 19 inch rack mount product. Its main features are small, convenient, flexible, easy to deploy, high performance. It is appropriate to be deployed in compact room environment. The OLT can be used for “Triple-Play”, VPN, IP Camera, Enterprise LAN and ICT applications.



V1600D8 provides 8*GE (copper) and 8*SFP (4*10G) slots independent interface for uplink, and 8*EPON OLT ports for downstream. It can support 512 ONUs under 1:64 splitter ratio.

Technical Specifications

Item		V1600D8
Chassis	Rack	1U 19 inch standard box
1000M Uplink Port	Copper	8*10/100/1000M auto-negotiation
	SFP (independent)	8*SFP (4*10G Uplink)
EPON Port	QTY	8
	Physical Interface	SFP Slots
	Connector Type	1000BASE-PX20+
	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
	Wavelength	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		CLI, SNMP, Web and Telnet
Management Function		<p>Fan Group Detecting;</p> <p>Port Status monitoring and configuration management;</p> <p>Layer2 switch configuration such as VLAN, Trunk, RSTP, IGMP, QOS, etc;</p> <p>EPON management function: DBA,ONU authorization, ACL, QOS, etc;</p> <p>Online ONU configuration and management;</p> <p>User management;</p> <p>Alarm management.</p>
Layer2 Switch		<p>Support port VLAN and protocol VLAN;</p> <p>Support 4096 VLANs;</p> <p>Support VLAN tag/Un-tag ,VLAN transparent transmission, QinQ;</p> <p>Support IEEE802.3d trunk;</p> <p>Support RSTP;</p> <p>QOS based on port, VID, TOS and MAC address;</p> <p>Access control list;</p>

		IEEE802.x flow control; Port stability statistic and monitoring.
Multicast		IGMP snooping 256 IP Multicast Groups;
DHCP		DHCP server DHCP relay DHCP snooping
Layer 3 Route		Arp proxy Static route 1024 hardware Host Routes; 512 hardware Subnet Routes;
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*320mm*43.6mm
Weight		4.5kg
Power Supply	220VAC / 48VDC	AC:90~264V, 47/63Hz or DC: 48V (Dual Power Backup)
Power Consumption		45W
Operating Environment	Working Temperature	-10~+55℃
	Storage Temperature	-40~+85℃
	Relative Humidity	5~90%(non-conditioning)

Application Chart

