V1600D4-L

Layer2 4 Ports EPON OLT

Key Features:

- Efficient Layer 2 Switching
- Loop Detection and Flow Control
- Fast ONU Register
- Credit Time Control
- ONU auto-discovery/auto-configuration/remote upgrade of firmware
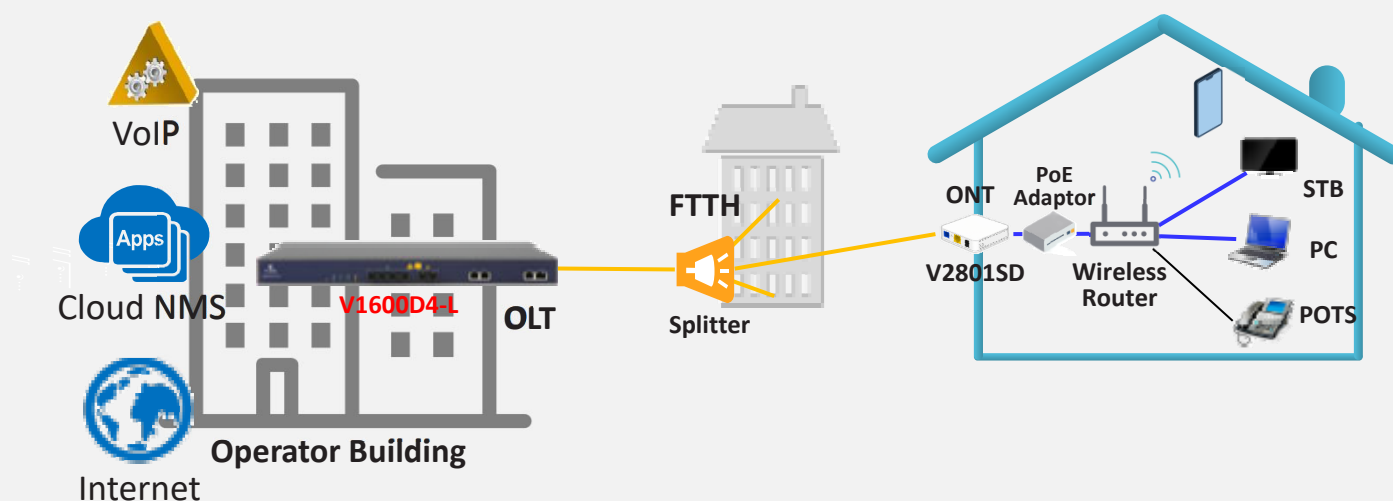- WEB/CLI/EMS Management

Introduction:

V1600D4-L is 1U height 19 inch rack mount product. 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.

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.

Application Chart:

V1600D4-L
4 Ports EPON OLT

Technical Specifications:

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/UPC
- Fiber Type: 9/125μm SMF

Management Mode
- Web/SNMP/Telnet and CLI

Management Function
- Fan Group Detecting
- Port Status monitoring and configuration
- Layer2 switch configuration such as VLAN, Trunk, RSTP,IGMP,QOS, etc
- EPON management: DBA,ONU authorization, ACL, etc
- Online ONU configuration and management

- User management and Alarm management

Layer 2 Feature
- 16 K Mac address
- Support 4096 VLAN
- 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 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;
- Specialized design for system breakdown prevention to maintain stable system
- Online dynamic distance calculation on EMS

Item		V1600D4-L
Chassis	Rack	1U Height Box
Uplink Port	Port count	4
	Copper	2*10/100/1000M auto-negotiation
	SFP(independent)	2
EPON Port	QTY	4
	Physical Interface	SFP Slots
	Max splitting ratio	1:64
	Supported PON module level	PX20, PX20+, PX20++, PX20+++
Backplane Bandwidth (Gbps)		20
Port Forwarding Rate(Mpps)		11.904
Dimension (LxWxH)		442mm*200mm*43.6mm
Weight		4.2kg
Power Supply		AC:90~264V, 47/63Hz, Support Redundant Power
Power Consumption		30W
Operating Environment	Working Temperature	-10~+50°C
	Storage Temperature	-40~+85°C
	Relative Humidity	5~90% (non-conditioning)

Ordering Information:

Product Name	Product Description	Power Configuration	Accessories
V1600D4-L	4*EPON,2*RJ45+2*SFP	1*AC power or 2*AC power(option)	EPON SFP PX20++ module EPON SFP PX20+++ module