

**Key Features:**

- STP/RSTP/MSTP
- IGMP Snooping
- VLAN Translation/Q-in-Q
- Port Aggregation
- Dynamic Bandwidth Allocation
- DHCP Snooping
- ACL
- Port Mirroring
- L3 Static Route, RIP/OSPF
- SNMP/Telnet/CLI/WEB/SSH



# V1601E02-DP

## Layer3 2 Ports EPON OLT

**Introduction:**

The VSOL V1601E02-DP is a compact and cost-effective EPON OLT product. It supports functionalities such as STP/RSTP/MSTP, IGMP Snooping, and VLAN Translation/Q-in-Q, ensuring network stability and security. Additionally, it offers features like port mirroring, L3 static routing, RIP/OSPF dynamic routing, and can be efficiently deployed and managed through SNMP/Telnet/CLI/WEB/SSH interfaces. Whether you are a small or medium-sized enterprise or a provider of surveillance products, the V1601E02-DP can help you easily build an efficient, secure, and stable network.

**Technical Specifications:**

**Management Ports**

- 1\*10/100 BASE-T out-band port,
- 1\*CONSOLE port, 1\*USB 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**

- SNMP/Telnet/CLI/WEB/SSH v2

**Management Function**

- Fan Group Control;
- Port Status monitoring and configuration management;
- Online ONU configuration and management;

- User management, Alarm management

**Layer 2 Feature**

- 16K MAC address
- Support port VLAN
- Support 4096 VLANs
- Support VLAN tag/Un-tag, VLAN transparent transmission, QinQ
- Support VLAN Translation: 2K ingress & 1k egress
- Support IEEE802.3d(LACP): 128 groups
- Support RSTP, MSTP
- QoS based on port, VID, TOS and MAC address
- IEEE802.x flow control
- Support ACL: 2K Share in and out
- Port stability statistic and monitoring;
- Support P2P Function

**Multicast**

- IGMP snooping
- Support 8K L2 multicast
- Support 8K L3 multicast

**DHCP**

- DHCP server
- DHCP relay
- DHCP snooping

**Layer 3 Features**

- ARP proxy
- Static route
- Support Host Route(9K IPv4 & 3K IPv6)
- Support Network Route(6K IPv4 & 2K IPv6 )
- Support RIPv1/v2, OSPFv2/v3
- Support PPPoE+

# V1601E02-DP 2 Ports EPON OLT

## Technical Specifications:

### Security Management

- Support IEEE802.1x, Radius, Tacacs+
- Support DHCP Snooping, DHCP Opiton82, IP Source Guard
- Support HTTPs, SSHv2

### IPv6 Feature

- Support IPv6 Neighbor Discovery, SLAAC Snooping
- Support DHCPv6 Server, DHCPv6 Relay, DHCPv6 Snooping
- Support IPV6 Static Route
- Support IPV6 Dynamic Route Protocol: RIPng, OSPF6
- Support MLD V1/V2
- Support IPv6 ACL
- Support IPv6 SNMP, Telnet, Https, SSH management

### EPON Function

- Support port-based rate limitation and bandwidth control
- In compliant with IEEE802.3ah standard
- 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 to configure data packet filter flexibly
- Specialized design for system breakdown prevention to maintain stable system
- Support dynamic distance calculation on EMS online

Item		V1601E02-DP
Chassis	Rack	1U 19 inch standard box
Uplink Port	QTY	6
	RJ45	4
	SFP/SFP+	2
EPON Port	QTY	2
	Physical Interface	SFP Slots
	Max splitting ratio	1:64
	Supported PON module level	PX20, PX20+, PX20++, PX20+++, PX20++++
Backplane Bandwidth (Gbps)		208
Port Forwarding Rate(Mpps)		38.688
Dimension (LxWxH)		442mm*200mm*43.6mm
Weight		NA
Power Supply		AC 100~240 V, 50/60 Hz
DC Power Supply		DC: -48V
Power Consumption		30W
Operating Environment	Working Temperature	-20~+60°C
	Storage Temperature	-40~+70°C
	Relative Humidity	5~95% (non-condensing)

## Ordering Information:

Product Name	Product Description	Power Configuration	Accessories
V1601E02-DP	2*EPON, 4*RJ45+2*SFP/(SFP+)	1* AC power; 2* AC power; 1* DC power; 2* DC power; 1* AC power + 1* DC power.	EPON SFP PX20++ module EPON SFP PX20+++ module 1G SFP module 10G SFP+ module