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



V1600D4-DP

Layer3 4 Ports EPON OLT

Introduction:

V-SOL V1600D4-DP series EPON OLT products are 1U height 19 inch rack mount products. The features ofthe OLT are small, convenient, flexible, easy todeploy and high performance. It is appropriate to be deployed in compact room environment. The OLT's can be used for "Triple-Play", VPN, IP Camera, Enterprise LAN and Internet service provider applications.

V1600D4-DP provides 4GE(copper) and 4*SFP/SFP+ slots independent interface for uplink, and 4*EPON OLT ports for downlink. It can support overall 256 ONU's with 64 ONU's per PON port.

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
- 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 IEEE802.3d trunk
- Support RSTP, MSTP
- QoS based on port, VID, TOS and MAC address
- IEEE802.x flow control
- Port stability statistic and monitoring;
- Support P2P Function

Multicast
- IGMP snooping
- 256 IP Multicast Groups

DHCP
- DHCP server
- DHCP relay
- DHCP snooping

Layer 3 Features
- ARP proxy
- Static route
- 1024 hardware Host Routes
- 512 hardware Subnet Routes
- Support RIPv1/v2, OSPFv2/v3
- Support PPPoE+

V1600D4-DP 4 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,DHPCv6 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		V1600D4-DP
Chassis	Rack	1U 19 inch standard box
Uplink Port	QTY	8
	RJ45	4
	SFP/SFP+	4
EPON Port	QTY	4
	Physical Interface	SFP Slots
	Max splitting ratio	1:64
	Supported PON module level	PX20, PX20+, PX20++, PX20+++
Backplane Bandwidth (Gbps)		128
Port Forwarding Rate(Mpps)		71.424
Dimension (LxWxH)		442mm*200mm*43.6mm
Weight		3.2kg
Power Consumption		30W
Power supply	AC	Working Voltage Range: 100~240V, Rated Voltage: 110V/220V
	DC	Working Voltage Range: -36~-75V, Rated Voltage: -48V/-60V
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
V1600D4-DP	4*EPON,4*RJ45+4*SFP/(SFP+)	1*AC power 2*AC power 1*AC power + 1* DC power	EPON SFP PX20++ module EPON SFP PX20+++ module 1G SFP module 10G SFP+ module

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



V1600D4-BT

Layer3 4 Ports EPON OLT

Introduction:

V-SOL V1600D4-BT series EPON OLT products are 1U height 19 inch rack mount products. The features of the OLT are small, convenient, flexible, easy todeploy and high performance. It is appropriate to be deployed in compact room environment. The OLT's can be used for "Triple-Play", VPN, IP Camera, Enterprise LAN and Internet service provider applications.

V1600D4-BT provides 4GE(copper) and 4*SFP/SFP+ slots independent interface for uplink, and 4*EPON OLT ports for downlink. It can support overall 256 ONU's with 64 ONU's per PON port.

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

- 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 IEEE802.3d trunk
- Support RSTP, MSTP
- QoS based on port, VID, TOS and MAC address
- IEEE802.x flow control
- Port stability statistic and monitoring;
- Support P2P Function

Multicast

- IGMP snooping
- 256 IP Multicast Groups

DHCP

- DHCP server
- DHCP relay
- DHCP snooping

Layer 3 Features

- ARP proxy
- Static route
- 1024 hardware Host Routes
- 512 hardware Subnet Routes
- Support RIPv1/v2, OSPFv2/v3
- Support PPPoE+

V1600D4-BT 4 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,DHPCv6 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		V1600D4-BT
Chassis	Rack	1U 19 inch standard box
Uplink Port	QTY	8
	RJ45	4
	SFP/SFP+	4
EPON Port	QTY	4
	Physical Interface	SFP Slots
	Max splitting ratio	1:64
	Supported PON module level	PX20, PX20+, PX20++, PX20+++
Backplane Bandwidth (Gbps)		128
Port Forwarding Rate(Mpps)		71.424
Dimension (LxWxH)		442mm*200mm*43.6mm
Weight		3.2kg
Power Consumption		30W
Power Supply	AC	Working Voltage Range: 100~240V, Rated Voltage: 110V/220V
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
V1600D4-BT	4*EPON,4*RJ45+4*SFP/(SFP+)	1*AC power + 1* BBU interface	EPON SFP PX20++ module EPON SFP PX20+++ module 1G SFP module 10G SFP+ module