

FASTLINK 2 PON GEAPON OLT

KeyFeatures:

- 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



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

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
- Support8K L2 multicast
- Support8K 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+

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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		FASTLINK 2 PON GEAPON OLT
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)		128
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: -36V ~ -75V
Power Consumption		30W
Operating Environment	Working Temperature	-20~+60°C
	Storage Temperature	-40~+70°C
	Relative Humidity	5~95% (non-condensing)
Power supply	AC	Working Voltage Range: 100~240V, Rated Voltage: 110V/220V
	DC	Working Voltage Range: -36~-75V, Rated Voltage: -48 V/-60V