

FTTH GPON OLT 16 PORT Layer3

ST-XT802V



Product Overview :

The ST-XT802V is a pizza-box GPON OLT with 16 GPON ports that meets flexible and fast FTTx access, suiting the scenarios such as sparse/ remote/cost-sensitive area, smart industrial park, commercial building and FTTM, etc.

Highlights:

- **Compact design, meets various application scenarios**

Supports the deployment in diverse scenarios including low density areas, remote areas, sparsely-populated areas and industry parks. Supports FTTM and sharing site/rack with wireless base stations.

- **Small size and lightweight, easier to delivery and install**

Small size and lightweight, easy to transport and install. Supports multiple installation modes, like limited room space, basement, low-voltage room and small rack or cabinet.

- **Carrier-class security protection, support dynamic routing protocol RIP&OSPF, ensure the safe operation of network**

Supports uplink redundancy protection including LACP STP, RSTP and MSTP, and support RIP&OSPF protocol. Supports link protection.

- **Lower TCO**

Dramatically saves on investment fees in trunk fibers, pipe engineering, and facilities. Effectively reduce CapEx and OpEx.

Technical Specifications		
Chassis	Rack	1U 19Inch Standard Box
GE/10GE Uplink Port	QTY	8
	RJ45(GE)	4
	SFP(GE)/SFP+(10GE)	4
GPON Port	QTY	16
	Physical Interface	SFP Slots
	Connector Type	Class (Class C++/Class C+++)
	Max splitting ratio	1:128
Management Ports	1*10/100/1000BASE-T out-band port, 1*CONSOLE port, 1*USB2.0, 1*Type-C USB (for console)	
Backplane Bandwidth (Gbps)	208	
Port Forwarding Rate(Mpps)	124.992	
PON Port Specification (Class C+++module)	Transmission Distance	20KM
	GPON port speed	Upstream 1.244Gbps, Downstream 2.488Gbps
	Wavelength	TX 1490nm, RX 1310nm
	Connector	SC/UPC
	Fiber Type	9/125µm SMF
	TX Power	+4.5~+10dBm
	Rx Sensitivity	≤ -30dBm
	Saturation Optical Power	-12dBm
Management Mode	EMS, TR069 VACS, WEB, SNMP, Telnet , CLI	

Technical Specifications	
Management Function	<ul style="list-style-type: none"> • SNMP,Telnet,CLI,WEB,SSH v2; • Fan Group Control • Port Status monitoring and configuration management • Online ONTconfiguration and management • User management • Alarm management
Layer2 Switch	<ul style="list-style-type: none"> • 32K Mac address • Support 4096 VLANs • 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,Dynamic LACP • QoS based on port, VID, TOS and MAC address • Access control list • IEEE802.x flowcontrol • Port stability statistic and monitoring
Multicast	<ul style="list-style-type: none"> • IGMP snooping • 2048 IP Multicast Groups
DHCP	<ul style="list-style-type: none"> • DHCP server,DHCP relay,DHCP snooping • DHCP option82
Layer 3 Route	<ul style="list-style-type: none"> • ARP proxy • 4096 hardware Host Routes,512 hardware Subnet Routes • Support 802.1X,Radius,Tacacs+ • Support IP source guard • Support static route ,dynamic route RIP v1/v2,RIPng and OSPF v2/v3
IPV6	<ul style="list-style-type: none"> • Support NDP; • Support IPv6 Ping,IPv6 Telnet,IPv6 routing; • Support ACL based on source IPv6 address, destination IPv6 address, L4 port, protocol type, etc; • Support MLD v1/v2 snooping(Multicast Listener Discovery snooping)

Technical Specifications	
GPON Function	<ul style="list-style-type: none"> Tcont DBA Gemport traffic In compliant with ITU-T984.x standard Up to 20KM transmission Distance Support data encryption, multi-cast, port VLAN, separation, RSTP, etc Support ONT auto-discovery/link detection/remote upgrade of software Support VLAN division and user separation to avoid broadcast storm 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 RSTP,IGMP Proxy
Dimension (L*W*H)	<ul style="list-style-type: none"> 442mm*320mm*43.6mm
Weight	<ul style="list-style-type: none"> Net weight of single power: 4.80kg Gross weight of single power: 6.40kg
Power Consumption	<ul style="list-style-type: none"> 85W
Working Temperature	<ul style="list-style-type: none"> 0°C ~+50°C
Storage Temperature	<ul style="list-style-type: none"> -40~+85°C
Relative Humidity	<ul style="list-style-type: none"> 5~90% (non-conditioning)

Product Name	Product Description	Power Configuration	Accessories
16 GPON OLT	16*GPON,4*RJ45+4*SFP /SFP+	1*AC power 2*AC power 2*DC power 1*AC power + 1* DC power	GPON SFP C++ module GPON SFP C+++ module 1G SFP module 10G SFP+ module



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توجه :

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