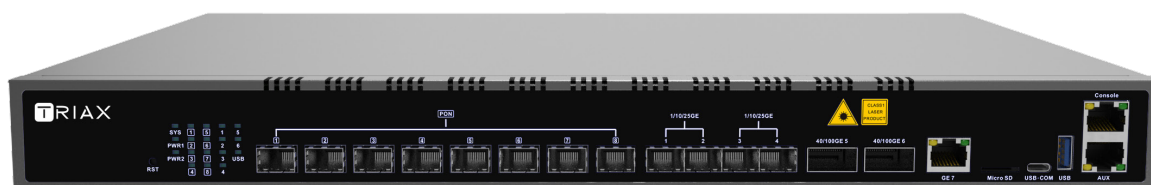


## TOLT-842X 8-Port 10G Combo PON/GPON OLT

The TOLT-842X is an innovative 10G GPON OLT product with 8 PON ports with XG (S) - PON & GPON Combo compatibility and supports single GPON mode, giving customers more networking possibilities and the flexibility to choose the appropriate bandwidth access mode according to current applications and future business needs. In the early stage of construction, customers can choose to consider reducing investment costs and switch any of the 8 PON to single GPON mode and then switch to XG(S)-PON&GPON Combo

mode according to future requirements. They can also choose the smooth upgrade from GPON to XG(S)-PON, and switch to XG(S)-PON & GPON Combo mode in the early stage, ensuring the stability of the original functionality during any upgrades. TOLT-842X provides 1\*GE (RJ45) + 4\*25GE (SFP28) + 2\*100GE (QSFP28) uplink ports to achieve full-speed data forwarding and meet the needs of high-bandwidth, high-speed data transmission and large-scale deployment.



### MANAGEMENT FUNCTION

- SNMP, Telnet, CLI, WEB, SSH v2
- Fan Group Control
- Port Status monitoring and configuration management
- Online ONT configuration and management
- User management
- Alarm management

### LAYER 2 SWITCH

- 32K Mac address
- Supports 4096 VLANs
- Supports port VLAN
- Supports VLAN tag/Un-tag, VLAN transparent transmission
- Supports VLAN translation and QinQ
- Supports storm control based on port
- Supports port isolation
- Supports port rate limitation
- Supports 802.1D and 802.1W
- Supports static LACP, Dynamic LACP
- QoS based on port, VID, TOS and MAC address
- Access control list
- IEEE802.x flow control
- Port stability statistic and monitoring

### MULTICAST

- IGMP snooping
- 2048 IP Multicast Groups

### DHCP

- DHCP server, DHCP relay, DHCP snooping
- DHCP option82

### LAYER 3 ROUTE

- ARP proxy
- 4096 hardware Host Routes, 512 hardware Subnet Routes
- Supports Radius, TACACS+
- Supports IP source guard
- Supports static route, dynamic route RIP v1/v2, RIPng and OSPF v2/v3

### IPv6

- Supports NDP
- Supports IPv6 Ping, IPv6 Telnet, IPv6 routing
- Supports ACL based on source IPv6 address, destination IPv6 address, L4 port, protocol type, etc
- Supports MLD v1/v2 snooping

### PON FUNCTION

- T-CONT DBA
- X-Gem traffic
- Is compliant with ITU-T G.9807 (XGS-PON), ITU-T G.987 (XG-PON) and ITU-T 984.x
- Up to 20KM transmission Distance
- Supports data encryption, multi-cast, port VLAN, separation, RSTP, etc
- Supports ONT auto-discovery/link detection/remote upgrade of software
- Supports VLAN division and user separation to avoid broadcast storm

- Supports power-off alarm function, for easy link problem detection
- Supports broadcasting storm resistance function
- Supports port isolation between different ports
- Supports ACL and SNMP to configure data packet filter
- Specialised design for system breakdown prevention to maintain a stable system
- Supports RSTP, IGMP Proxy

### DIMENSION (L\*W\*H)

- 442mm\*330mm\*43.6mm

### WEIGHT

- Net weight: 4.8 KG

### POWER CONSUMPTION

- 150W

### WORKING ENVIRONMENT

- Working Temperature: -20°C ~+60°C
- Working Humidity: 5%~95% (non- condensing)

### STORAGE ENVIRONMENT

- Storage Temperature: -40 ~ +70°C
- Storage Humidity: 5%~95% (non- condensing)

## FEATURES

- High Performance Chipset
- 100Gbps QSFP28 High-Speed Uplink
- Supports XGS-PON/XG-PON/GPON triple mode for Flexible Networking

TOLT - 842X			
ART. Number	308502		
	Product Description	Accessories	Power Configuration
	8*XG(S)-PON/GPON 1*GE(RJ45) 4*25GE(SFP28) 2*100GE(QSFP28)	n/a	2*AC POWER
Chassis	Rack	1U 19Inch Standard Box	
Uplink Port	QTY	8	
	RJ45(GE)	1	
	SFP28(25GE)	4	
	QSFP28(25GE/50GE/100GE)	2	
	QTY	8	
	Physical Interface	SFP+ Slots	
XG(S)-PON/GPON port	Connector Type	XG(S)-PON&GPON Combo mode: N2_C+	
		Single GPON mode: Class B+/C/C+/C++/C+++ /C++++	
	Optical Splitting Ratio	1:256(Maximum), 1:128(Recommended)	
Management Ports		1*10/100/1000BASE-T out-band port, 1*CONSOLE port, 1*USB3.0,	
		1*Type-C USB console, 1*Micro SD port	
Backplane Bandwidth (Gbps)		1960	
Port Forwarding Rate (Mpps)		566.928	
XG(S)-PON&GPON Combo Port Specification	Transmission Distance	20KM	
	XG(S)-PON Port Speed	GPON: Upstream1.244Gbps, Downstream 2.488Gbps	
		XG-PON: Upstream 2.488Gbps, Downstream 9.953Gbps	
		XGS-PON: Upstream 9.953Gbps, Downstream 9.953Gbps	
	Wavelength	GPON: Upstream 1310nm, Downstream 1490nm	
		XG(S)-PON: Upstream: 1270nm Downstream: 1577nm	
GPON Port specification	Supported PON ports	PON 1~8 (8 PON ports are in XG(S)-PON&GPON Combo mode by default)	
	Transmission Distance	20KM	
	GPON Port Speed	Upstream: 1.244Gbps, Downstream: 2.488Gbps	
	Wavelength	Upstream: 1310nm, Downstream: 1490nm	
	Supported PON ports	PON 1~8 (Each PON port can be manually hot switched to GPON mode)	
Lightning Protection	Power Lightning Protection	6KV	
	Interface Lightning Protection	4KV	
Power Supply	AC	Working Voltage Range: 100~240V, Rated Voltage: 110V/220V	
Number of Fans		4	
Management Mode		CLI (Console/Telnet/SSH) / WEB	