

## TOLT-4422 - Layer 3 GPON OLT - 4 GPON ports

The TOLT-4422 is a 19" rack mount GPON OLT with 4 PON ports that provides flexible and fast FTTx access, suiting scenarios such as sparsely populated or remote areas, industrial parks, commercial buildings and other MDU settings including hospitality.



### 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

### POWER CONSUMPTION

- 35W

### WORKING TEMPERATURE

- -20°C ~+60°C

### STORAGE TEMPERATURE

- -40~+70°C

### RELATIVE HUMIDITY

- 5~95% (non-condensing)

### 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 (Multicast Listener Discovery snooping)

### GPON FUNCTION

- T-CONT DBA
- Gempport traffic
- Is compliant with ITU-T984.x standard
- 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

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

- 442mm \* 229mm \* 43.6mm

### WEIGHT

- Net weight of single power: 2.95kg
- Gross weight of single power: 4.15kg

## FEATURES

- Compact design, meets various application scenarios:
  - Supports deployment in diverse scenarios including low density areas, remote/sparsely populated areas and industrial parks
  - Supports FTTM and sharing site/rack with wireless base stations
- Small size and lightweight, easier to transport and install:
  - Supports multiple installation modes, e.g, limited room space, basement and small rack or cabinet
- Carrier-class security protection, supports dynamic routing protocol RIP&OSPF, ensures the safe operation of the network:
  - Supports uplink redundancy protection including LACP STP, RSTP and MSTP
  - Supports RIP & OSPF protocol
  - Supports link protection
- Lower TCO:
  - Dramatically saves on investment fees in trunk fibres, pipe engineering and facilities. Effectively reduce CapEx and OpEx

TOLT - 4422			
ART. Number	308500		
	Product Description	Accessories	Power Configuration
	4*GPON 2*RJ45 2*SFP/SFP+	GPON SFP C++++ MODULE X 4	2*AC
Chassis	Rack	1U 19Inch Standard Box	
Uplink Port	QTY	4	
	RJ45(GE)	2	
	SFP(GE)/SFP+(10GE)	2	
GPON Port	QTY	4	
	Physical Interface	SFP Slots	
	Max splitting ratio	1:128	
Management Ports		1*10/100/1000BASE-T out-band port, 1*CONSOLE port	
Backplane Bandwidth (Gbps)		1*USB2.0	
Port Forwarding Rate (Mpps)		104	
PON Port Specification	Transmission Distance	47.616	
	GPON port speed	20KM	
	Wavelength	Upstream 1.244Gbps, Downstream 2.488Gbps	
	Connector	TX 1490nm, RX 1310nm	
	Fibre Type	SC/UPC	
	Supported PON module level	9/125µm SMF	
Power Supply	AC	Class B+, C, C+, C++, C+++, C++++	
Management Mode		Working Voltage Range: 100~240V, Rated Voltage: 110V/220V	
		EMS, WEB, SNMP, Telnet, CLI	