

OPTICAL LINE TERMINAL [OLT-G-x-x-x]

Fiber Products, Line Terminals

Taikan

Description

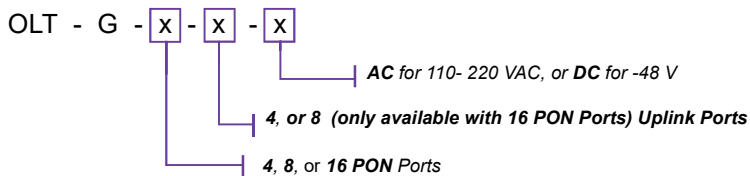
Taikan's Optical Line Terminal (OLT) utilizes Gigabit Passive Optical Network (GPON) technology. The compact design is complemented by L2/L3 Gigabit switching and routing function. Furthermore the OLT is designed for easy plug and play modules. There are 1-4 (or 1~8 on the 8 or 16 PON port) optical or electrical ports for the Ethernet/IP network core on the uplink. Final transmission per user is approximately 1 Gbps.



Features

- Power Redundancy
- Rich Layer 2/3 Switching Features and Flexible Management Methods
- Supports Multiple Link Redundancy Protocols such as FlexLink/STP/ RSTP/ MSTP/ERPS/ LACP
- Supports RIP, OSPF, BGP, ISIS and IPV6
- Safe DDOS and Virus Attack Protection
- Power Redundancy Backup , Modular Power Supply
- Available Power Failure Alarm
- Type C Management Interface

Ordering Information



Model Number	Description	Power
OLT-G-4-x-x-DC	GEAPON Optical Line Terminal, 4 PON Ports, 4 10G/GESFP + 4 GERJ45 Uplink Ports	36V ~75V
OLT-G-8-x-x-DC	GEAPON Optical Line Terminal, 8 PON Ports, 4 10G/GESFP + 4 GERJ45 Uplink Ports	36V ~75V
OLT-G-16-x-x-DC	GEAPON Optical Line Terminal, 16 PON Ports, 8 10G/GESFP + 8 GERJ45 Uplink Ports	36V ~ 75V
OLT-G-4-x-x-AC	GEAPON Optical Line Terminal, 4 PON Ports, 4 10G/GESFP + 4 GERJ45 Uplink Ports	100~240 VAC
OLT-G-8-x-x-AC	GEAPON Optical Line Terminal, 8 PON Ports, 4 10G/GESFP + 4 GERJ45 Uplink Ports	100~240 VAC
OLT-G-16-x-x-AC	GEAPON Optical Line Terminal, 16 PON Ports, 8 10G/GESFP + 8 GERJ45 Uplink Ports	100~240 VAC

Specifications

Backplane Bandwidth (Gbps)	104 Gbps
Port Forwarding Rate (Mpps)	77.376 Mpps
Memory and Storage	Memory: 512 MB, storage : 32 MB
Management Port	Console, Type C
Port	4 GPON Port, 4*10/100/1000M, Base-T 4*1000M, Base-X SFP/4*10GE SFP+ 8 GPON Port, 4*10/100/1000M, Base -T, 4*1000M, Base-X SFP/4*10GE SFP+ 16 GPON Port, 8*10/100/1000M, Base-T, 8*1000M, Base -X SFP/ 4*10 GE SFP+
PON	Complies with ITU-TG.984/G.988 Standard 60 km transmission distance 1:128 Max Splitting Ratio Standard OMCI Management Function ONU Batch Software Upgrade
VLAN	Supports 4K VLAN Supports VLAN based on port, MAC and protocol Supports Dual Tag VLAN, POrt- Based Static QinQ and Flexible QinQ
MAC	16K MAC Address Static MAC Address Setting Black Hole MAC Address Filtering Port MAC Address Limit
Ring Network Protocol	Supports STP/RSTP/MSTP Supports ERPS Ethernet Ring Network Protection Protocol
Port Control	Port Loopback Detection Two - Way Bandwidth Control Port Storm Suppression
Port Aggregation	9K Jumbo Ultra-Long Frame Forwarding Supports Static Link Aggregation Dynamic LACP Each Aggregation Group Supports a Maximum of 8 Ports
Mirroring	Port Mirroring Stream Mirroring
ACL	Standard & Extended ACL ACL Policy Based on Time Period Provides Flow Classification & Flow Definition Based on IP Header Information Such as Source/ Destination MAC Address, VLAN , 802.1p, ToT, DSCP, Source/ Destination IP Address, L4 Port Number, Protocol Type, etc.
QoS	Flow Rate Limiting Function Based on Custom Business Flow Mirroring & Redirection Functions Based on Custom Business Flows Priority Marking Based on Custom Service Flow Supports 802.1P, DSCP Priority Remark Capability Support Port -Based Priority Scheduling Function Supports Queue Scheduling Algorithms such as SP/WRR/SP+WRR

Specifications Cont'd

Safety	User Hierarchial Management & Password Protection
	IEEE 802.1X Authentication
	Radius & TACACS + Authentication
	Mac Address Learning Limit, Supports Black Hole MAC Function
	Port Isolation
Layer 3	Broadcast Message Rate Suppression
	IP Source Guard Supports ARP Flood Suppression and ARP Spoofing Protection
	DOS Attack & Vlrus Attack Protection
	ARP Learning & Aging
	Static Route
System Management	Dynamic Route RIP/OSPF/BGP/ISIS
	VRRP
	CLI, Telnet, WEB, SNMP V1/V2/V3 SSH2.0
	FTP , TFTP File Upload and Download
	RMON
	SNTP
	System Work Log
	LLDP Neighbor Device Discovery Protocol
	802.3ah Ethernet OAM
	RFC 3164 Syslog
	PIng & Traceroute

General Specifications

Working Temperature	-10 °C ~55 °C
Storage Temparture	-40 °C ~ 70°C
Operating & Storage Humidity	10% ~95% (Non Condensing)
Weight	OLT-G-4 & 8 (≤ 5 kg)
	OLT-G-16 (≤ 6.5 kg)
Power Options	AC: 100~240 V, 47/63 Hz
	DC: 36V ~75V
Power Consumption	OLT-G-4 & 8 : 65W
	OLT-G-16: 100W
Dimensions (LxWxH)	OLT G- 4 & 8: 440mm x260mm x44mm (17"x10"x2")
	OLT-G-16: 440mmx320mmx44mm (17"x13"x2")