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XPON ONU

TL-ONU-XPON-1G-G

XPON ONU 1GE



Overview

TL-ONU-XPON-1G-G dual-mode ONU supports EPON and GPON two modes access. The ONU automatically adaptive access switches into the corresponding PON mode by identifying the local OLT mode to complete GPON or EPON.

TL-ONU-XPON-1G-G features high-performance forwarding capabilities to ensure excellent experience with Internet and HD video services. It has good third-party compatibility to work with the third-party OLT, such as Huawei/ZTE/Fiberhome/BDCOM/C-DATA. It provides a perfect terminal solution and future-oriented service Supporting capabilities for FTTH deployment.

Feature

- In compliance with IEEE802.3ah and ITU - T G.984 standard
- Supports ONU auto-discovery/ Link detection/remote upgrade of software
- Supports SN and LOID+Password multiple registration methods
- Supports port VLAN configuration
- Supports port-based rate limitation and bandwidth control
- Supports MAC address learning
- Supports MAC address learning account limit
- Supports VLAN transparent/tag/translate/trunk
- Supports broadcasting storm resistance function
- Supports igmp transparent/snooping/proxy mode
- Supports Dynamic Bandwidth Allocation (DBA)
- Supports AES encryption and decryption
- EMS network management based on SNMP, convenient for maintenance
- Supports power-off alarm function, easy for link problem detection
- Supports Firewall
- Supports MAC address/URL filter
- Supports remote WEB/Telnet access control

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LED Definitions

Indicator		Description
PWR	Power status	On: The ONT is power on; Off: The ONT is Power off;
PON	ONT Register	On: Success to register to OLT; Blinking: In process of registering to OLT; Off:Failed to register to OLT or no normal optical signal input;
LOS	PON optical signals	On: Optical power lower than receiver sensitivity; Off: Optical in normal;
LAN	LAN port status	On: Ethernet connection is normal; Blinking: Data is being transmitted through the Ethernet port; Off: Ethernet connection is not set up;

Technical Specification

PON Port	PON Mode	EPON: 1000BASE-PX20+ symmetric GPON: FSAN G.984.2 standard,Class B+
	PON Rate	EPON: 1. 25 Gbps downstream/ upstream GPON: 2.488Gbps/1.244 Gbps downstream/upstream
	Wavelength	Transmit: 1310nm, Receiver: 1490nm
	Receiving sensitivity	EPON: -27dBmGPON: -28dBm
	Saturated power	EPON: -3dBm GPON: -8dBm
	Transmitting power	EPON: 0～4dBm GPON: 0.5～5dBm
User Port(LAN)	1*10/100/100 M Auto-negotiation RJ45 ports Full Duplex / Half-Duplex RJ45, Auto-MDI / MDI-X Transmission Distance 100 Meter	
Indicators	PWR / PON / LOS / LAN	
Software		
Management	EPON: OAM/WEB/Telnet GPON: OMCI / WEB / TR069 / Telnet	
Register	Auto-discovery/ Link detection/Remote upgrade software Auto/MAC/SN/ LOID+Password authentication	
L3	IPv4/ IPv6 Dual Stack NAT DHCP client/server PPPOE client/ Pass through Static and dynamic routing	
Switch	MAC address learning MAC address learning account limit Port isolation Port flow control Broadcast storm suppression VLAN transparent/tag/translate/trunk	
Multicast	IGMP V2 IGMP VLAN IGMP transparent/Snooping/ Proxy	

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Security	Firewall MAC address/URL filter Remote WEB/Telnet access control
Dimension and Weight	
Item Dimension	78mm(L) x78mm(W) x23mm (H) Item weight: about 65g
Environmental Specifications	Operating temperature: 0 to 40ºC Operating humidity: 10% to 90% (Non-condensing)
Power	External 12V/0.5A DC power supply adapter Power consumption: <3W