Optolink
BUILD YOUR OWN NETWORK

🔸 Brief Views

Optolink X3 dual-mode ONU supports EPON and GPON two modes access. The ONU automatically switches into the corresponding PON mode by identifying the local OLT mode to complete GPON or EPON adaptive access.

Optolink X3 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/Alcatel-Lucent. It provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment.

🔸 Functional Feature

■ In compliant with IEEE802.3ah and ITU - T G.984 standard

■ Support ONU auto-discovery/Link detection/remote upgrade of software

■ Support multiple registration methods

■ Support port VLAN configuration
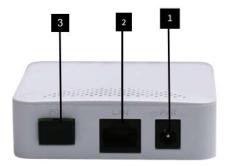
FC   CE   🌿 RoHS Compliant

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- Support mac-address learning

- Support port-based rate limitation and bandwidth control

- Support port flow-control

- Support broadcasting storm resistance function

- Support igmp transparent/snooping/proxy mode

- Support Dynamic Bandwidth Allocation (DBA)

- Support three layer routing function

- EMS network management based on SNMP ,convenient for maintenance

- Support power-off alarm function ,easy for link problem detection

Product Interface and LED Definitions
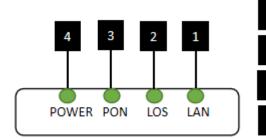

1	DC Power Port
2	LAN Port
3	PON Optical Port

Indicator			Description
1	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;
2	LOS	XPON optical signals	On: Optical power lower than receiver sensitivity ; Off: Optical in normal
3	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;
4	PWR	Power status	On: The ONT is power on; Off: The ONT is Power off;

🍁 Specification

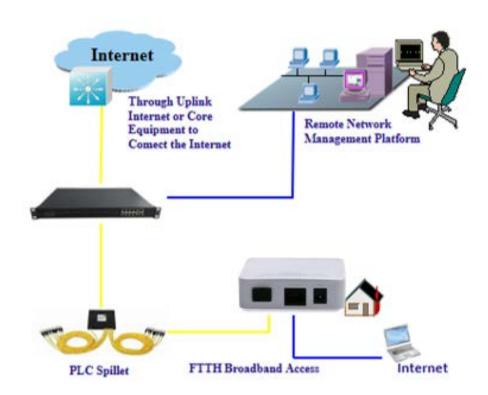| Item	Parameters	Specification
Interface	EPON/GPON Interface	SC/UPC single mode single fiber GPON：FSAN G.984.2 standard, Class B+ EPON：1000BASE-PX20+ symmetric GPON：2.488Gbps/1.244Gbps downstream/upstream EPON：1.25Gbps downstream/upstream Wavelength: Transmit: 1310nm Receiver: 1490nm Receiving sensitivity : GPON：-28dBm EPON：-27dBm Saturated power : GPON：-8dBm EPON：-3dBm Transmitting power : GPON：0.5～5dBm EPON:0～4dBm
	Ethernet Port(LAN)	1*GE Auto-negotiation RJ45 ports Full Duplex / Half-Duplex RJ45, Auto-MDI/MDI-X Transmission Distance 100 Meter
	Power Supply Port	12V DC input
Management	Management Mode	OMCI, OAM,WEB, Telnet
	Management Function	Status monitor, Configuration management, Alarm management, Log management
Environmental Specifications	Power	External 12V/0.5A DC power supply adapter Power consumption: <3W
	Dimensions	Item Dimension：78mm(L) x78mm(W) x23.85mm (H) Item Net Weight：about 64.5g
	Environment	Operating Temperature：0～40℃ Operating Humidity：10%～90%(Non-condensing)

⊹ Network Application

- ✧ Solution：FTTH

- ✧ Business：Broadband Internet

⊹ Ordering Information

Product Name	Product Model	Descriptions
1GE XPON ONU	X3	1*10/100/1000Mbps Ethernet interface, 1 GPON/EPON adaptive optical interface, plastic casing, external power supply adapter