T51XPD

1GE(PoE) XPON ONU



Overviews

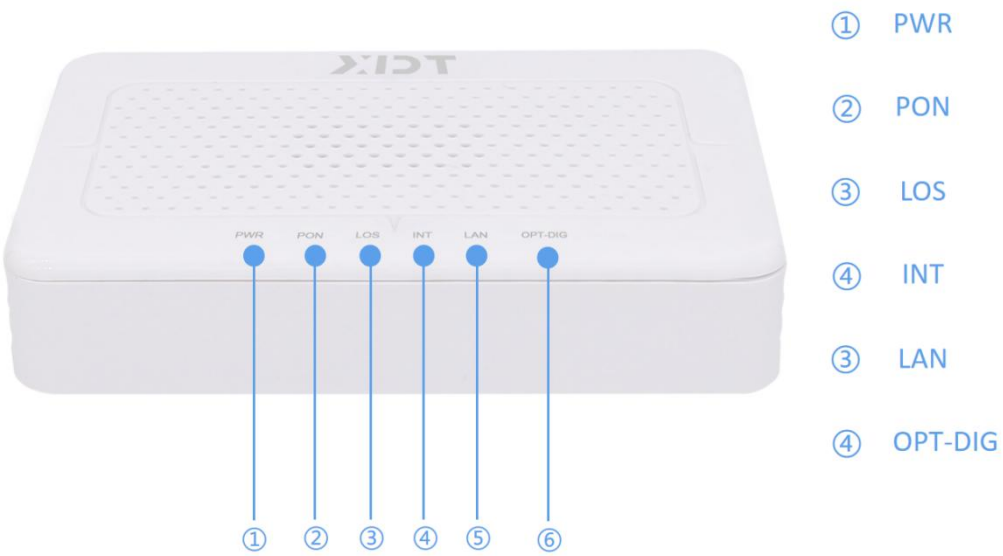
T51XPD is an indoor fiber broadband access terminal and provides 1 GE port with PoE. The device provides one GPON / EPON adaptive optical port and supports XPON mode. It can be used in connection with the mainstream manufacture (Huawei / ZTE / Fiberhome) GPON or EPON OLT to provide users with Internet services based on GPON and EPON technology.

Features

- POE supports be powered but not power sourcing
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support SN and LOID+Password multiple registration methods
- Support port VLAN configuration
- Support port-based rate limitation and bandwidth control
- Support MAC address learning
- Support MAC address learning account limit
- Support VLAN transparent/tag/translate/trunk
- Support broadcasting storm resistance function
- Support igmp transparent/snooping/proxy mode
- Support Dynamic Bandwidth Allocation (DBA)
- EMS network management based on SNMP, convenient for maintenance
- Support power-off alarm function, easy for link problem detection
- Support Firewall
- Support MAC address/URL filter
- Support Remote WEB/Telnet access control

Product Interface and LED





① PWR
② PON
③ LOS
④ INT
③ LAN
④ OPT-DIG

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	XPON optical signals	On: Optical power lower than receiver sensitivity; Off: Optical in normal;
INT	Internet status indicator	On: The routed WAN Internet access service is normal. Off: The routed WAN Internet access service is abnormal.
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;
OPT-DIG	Light intensity indicator	On: higher than ONU RX maximum threshold; Flashing: Lower than ONU RX minimum threshold; Off: ONU RX is within the normal threshold range.

Product Specification

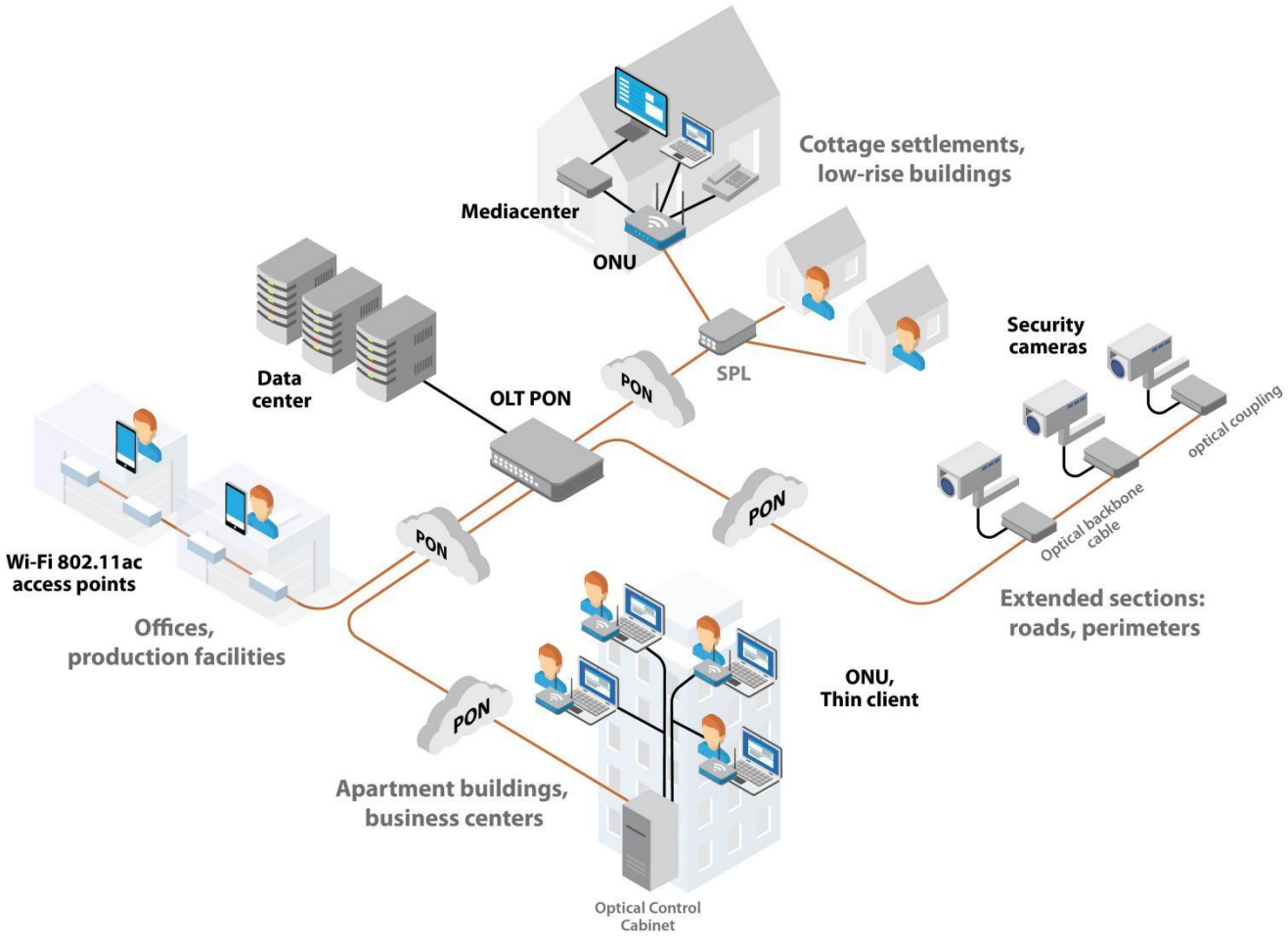
Hardware			
User Port (LAN)		RJ-45 connector	
		1* 10/100/1000Mbps adaptive Ethernet port	
		Full/Half duplex	
		Auto MDI/MDI-X	
Indicators		PWR / PON / LOS / INT / LAN / OPT-DIG	
PON Port	PON Mode	GPON: ITU-T G.984.2 standard,Class B+ EPON: 1000BASE-PX20+ symmetric	
	PON Rate	GPON: 2.488Gbps/1.244Gbps 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	

Environment	
Working Temperature	0 to 40° C
Operating Humidity	10% ~ 90% (Non-condensing)

Physical Characteristics	
Dimensions	125mm(L) x 80mm(W) x 28mm (H)
Weight	About 100g

Power	
External 12VDC/0.5A Power Supply Adapter (Notice:Support 48V POE power on, support 12V input, can choose one of two, do not recommend 48V POE power on then input 12V.)	
Max machine Power Consumption	<4W

Connection Diagram



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