

ONT: 1GE+CATV

MODELO: G51T



G51T

1GE+CATV XPON ONU



High Speed CPU



Low Power Consumption



Software Customization

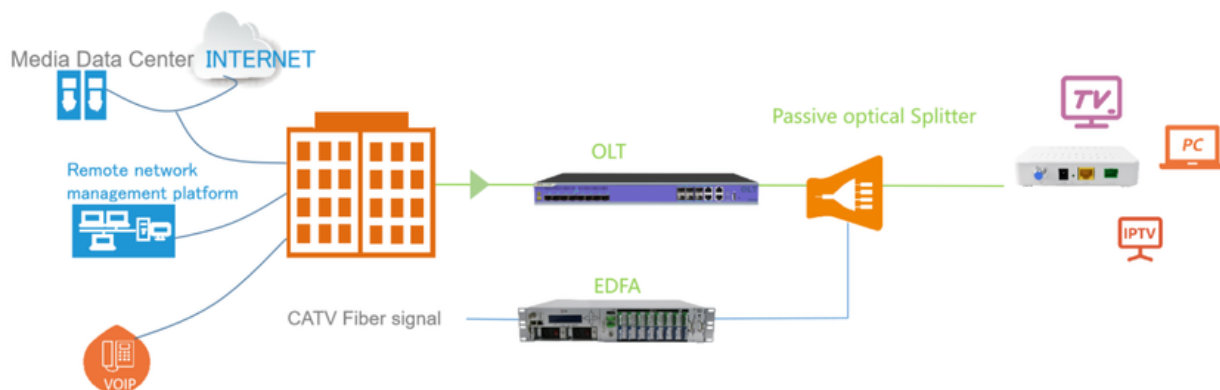


Optional Shell Supply

Brief Views

G51T is an indoor fiber broadband access terminal. The device provides one GPON / EPON adaptive optical port and supports XPON mode. It can be used in connection with our company GPON OLT. It can also interconnect with the mainstream manufacture GPON or EPON OLT to provide users with Internet and CATV services based on GPON and EPON technology.

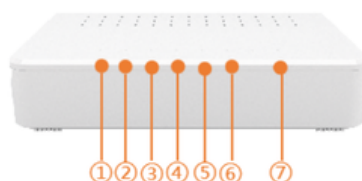
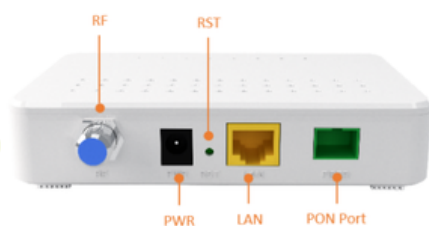
Application Chart:



Functional Feature

- In compliant with IEEE802.3ah and ITU - T G.984 standard
- 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 VLAN transparent/tag/translate/trunk
- Support remote CATV port management
- Support broadcasting storm resistance function
- Support Dynamic Bandwidth Allocation (DBA)
- Support AES encryption and decryption
- 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
- ⑤ LAN
- ⑥ CATV
- ⑦ OPT

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;
INT	Internet status indicator	On: The routed WAN Internet access service is normal. Off: The routed WAN Internet access service is abnormal.
OPT	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.
CATV	CATV status	On: CATV optical normal Off:The CATV signals are not received

Product Specification

Mechanics	
Dimensions	125(L)*80(W)*32mm(H)
Weight	About 0.13kg

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 / LAN / INT / CATV / OPT	
PON Port	PON Mode	EPON: 1000BASE-PX20+ symmetric GPON: FSAN G.984.2 standard,Class B+	
	PON Rate	EPON: 1.25Gbps downstream/upstream GPON: 2.488Gbps/1.244Gbps downstream/upstream	
	Wavelength	Transmit: 1310nm	Receiver: 1490nm
	Receiving sensitivity	EPON: -27dBm	GPON: -28dBm
	Saturated power	EPON: -3dBm	GPON: -8dBm
	Transmitting power	EPON:0~4dBm	GPON: 0.5~5dBm

CATV (Input /Output port)	
Wavelength: 1550nm	
Input optical power: -18dBm~0dBm(with AGC)	
RF frequency: 47MHz~1000MHz	
RF output level: 78dBuV (@-12~-2dBm@85MHz) (with AGC)	
RF output return loss: >12dB(with AGC)	
RF impedance: 75 Ω	

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

Power	
External 12VDC/0.5A power supply adapter	
Power consumption	$\leq 3.5W$