

**ONT: 4GE+WIFI(2.4GHZ+5GHZ)**

**MODELO: G54A**



## G54A

4GE+2WIFI XPON ONU



High Speed CPU



Low Power Consumption



Software Customization

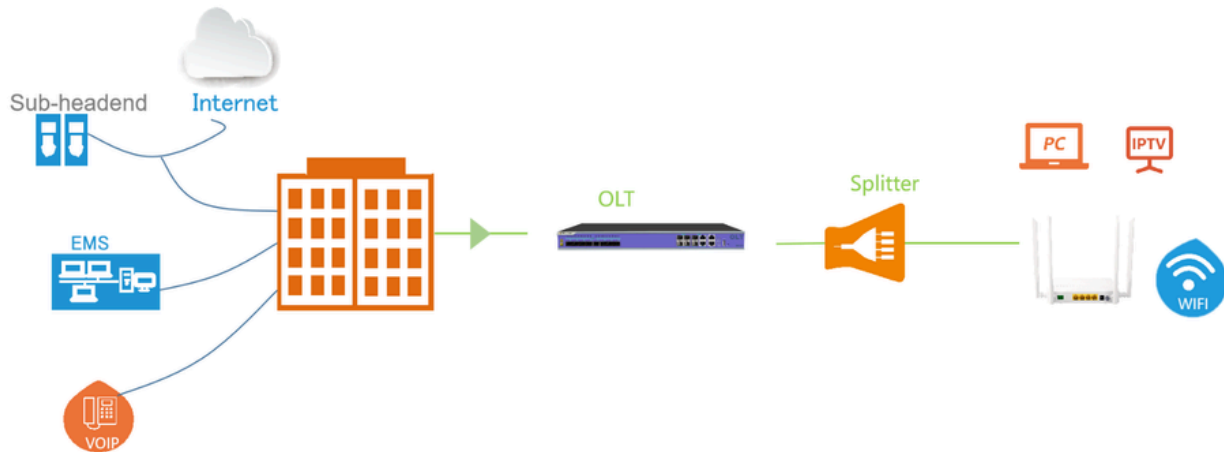


Optional Shell Supply

### Brief Views

G54A 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, WIFI services based on GPON and EPON technology.

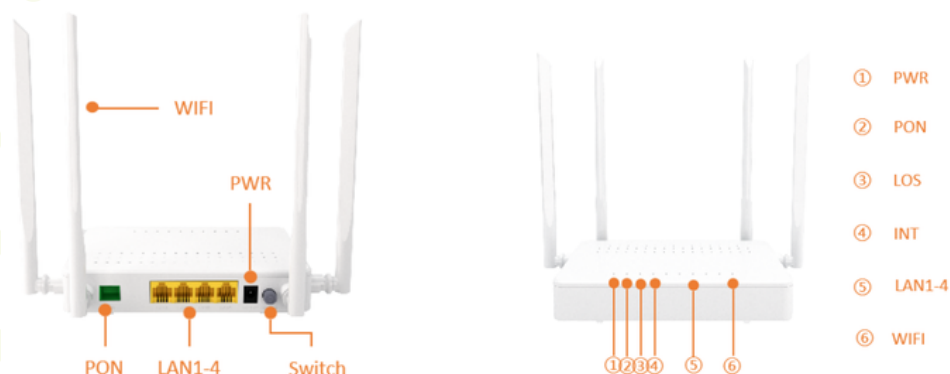
## Application Chart:



## 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 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)
- 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



## 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;
LAN1-4	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.
WIFI	WIFI	Blinking :Data is being transmitted On:WIFI function Opens

## Product Specification

Mechanics		
Dimensions	160mm(L)*112mm(W)*170mm(H)	
Weight	About 0.3kg	
Hardware		
User Port (LAN)	RJ-45 connector	
	4 *10/100/1000Mbps adaptive Ethernet port	
	Full/half duplex	
	Auto MDI/MDI-X	
Indicators	PWR / PON / LOS / LAN1-4 / INT /WIFI	
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

WIFI performance parameter	
IEEE802.11b/g/n(2.4G)	
IEEE802.11a/n/ac(5G)	
Max rate: 300M(2.4G)	
Max rate: 867Mbps(5G)	
MAX TX power:17dBm(2.4G)	
MAX TX power:17dBm(5G)	
Environment	
Working temperature	0 to 40° C
Operating humidity	10% ~ 90% (Non-condensing)
Power	
External 12VDC/1A power supply adapter	
Power consumption	≤9.7W