T1121

XPON ONU
1G1F+2W+1P

The SWO-T1121 is a carrier-class HGU (Home Gateway Unit) designed for various FTTH applications. The product provides multiple services access, with mature stable and cost-effective XPON technology. The SWO-T1121 meets the technical requirements of EPON and GPON ITU-TG.984.X standards by adopting highly reliable technology, an easy management system, flexible configuration and high quality of service (QoS).

KEY FEATURES

- Supports EPON/ GPON mode and auto-switch
- Supports route mode for PPPoE/ IPoE/ Static IP and bridge mode
- Supports IPv4 and IPv6 dual mode
- Supports 2.4 GHz WIFI and 2 x 2 MIMO
- Supports SIP protocol for VoIP service
- Supports LAN IP and DHCP server configuration
- Supports port mapping and loop-detection
- Supports firewall function and ACL function
- Supports IGMP snooping/ proxy multi-cast feature
- Supports TR069 remote configuration and maintenance
- Specially designed maintain system to prevent breakdown

HARDWARE SPECIFICATIONS

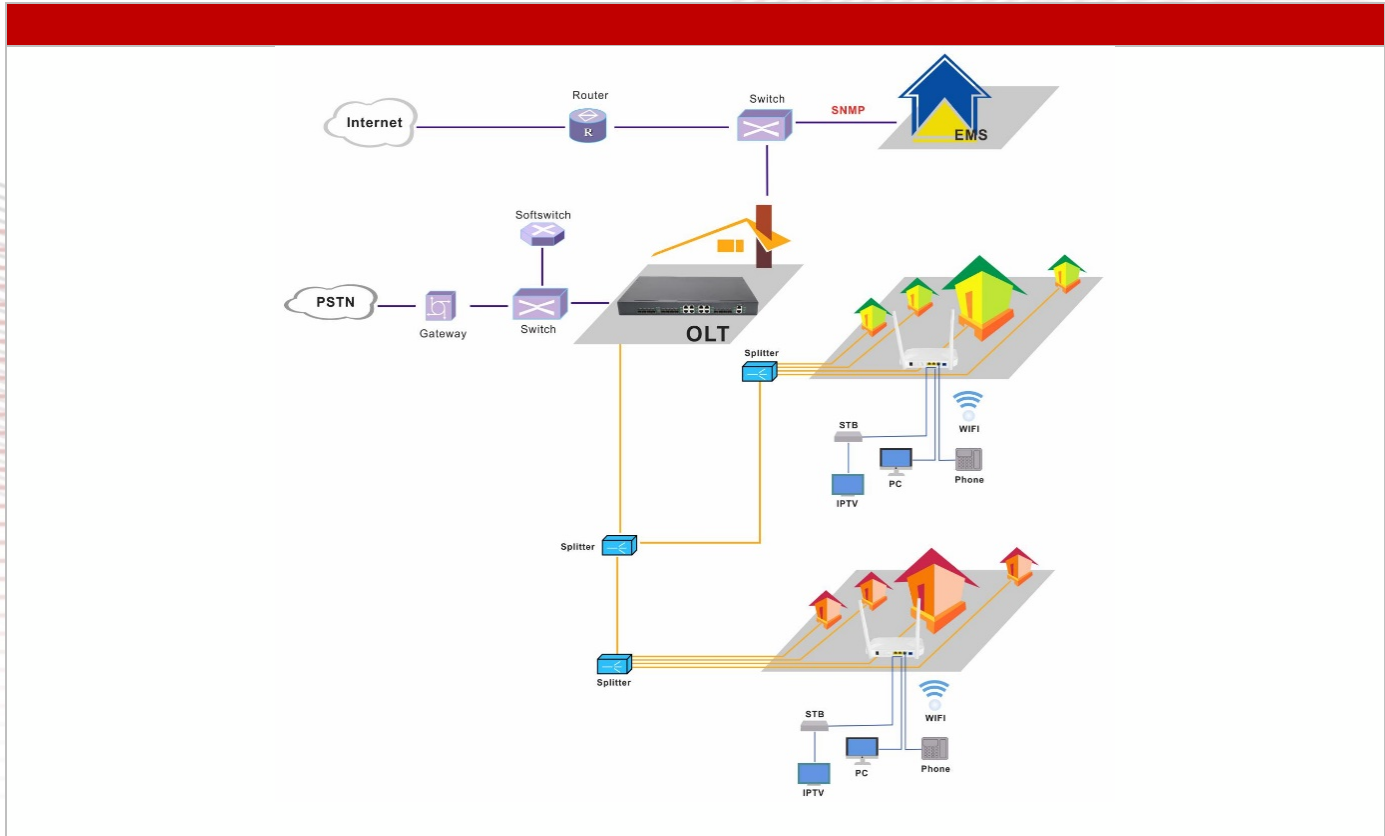|	
PON Interface	1 GPON BOB (bosa on board)
	Receiving sensitivity: ≤ -28dBm
	Transmit optical power: +1 ~ +4dBm
	Transmit distance: 20 km
Wavelength	TX: 1310 nm, RX: 1490 nm
Optical Interface	SC/UPC connector
Design Scheme	RTL9603C + RTL8192FR + LE9643 BOB (i7525BN)
Chip Spec	CPU 950 MHz, DDR2 128 MB
Flash	SPI NAND flash 128 MB
LAN Interface	1 x 10/100/1000 Mbps (GE) and 1 x 10/100 Mbps (FE) auto-adaptive ethernet interface, full/ half, RJ45 connector
Wireless	Compliant with IEEE802.11b/g/n,
	Operating frequency: 2.400-2.4835 GHz
	Support MIMO, rate up to 300 Mbps,
	2T2R, 2 external antenna 5 dBi,
	Support: multiple SSID
	Channel: auto
	Modulation type: DSSS, CCK and OFDM
	Encoding scheme: BPSK, QPSK, 16QAM and 64QAM
POTS Interface	1 FXS, RJ11 connector
	Supports: G.711/ G.723/ G.726/ G.729 codec
	Supports: T.30/ T.38/G.711 fax mode, DTMF relay
	Line testing according to GR-909
LED	8 LED, for status of WIFI, WPS, PWR, LOS, PON, LAN1~LAN2, FXS
Push-Button	3: Reset, WLAN, WPS
Operating Condition	Temperature: 0 °C ~ 50 °C | 32 °F ~ 122 °F
	Humidity: 10% ~ 90% (Non-condensing)
Storing Condition	Temperature: -30 °C ~ 60 °C | -22 °F ~ 140 °F
	Humidity: 10% ~ 90%(Non-condensing)

Power Supply	DC 12V/ 1A
Power Consumption	≤ 6W
Dimensions	180 mm × 107 mm × 28 mm | 7.09 in × 4.21 in × 1.10 in
Net Weight	0.2 kg | 0.44 lbs

PANEL LIGHTS INTRODUCTION		
WIFI	On	WIFI interface on
	Blink	WIFI interface sending or/ and receiving data (ACT)
	Off	WIFI interface off
WPS	Blink	WIFI interface securely establish connection
	Off	WIFI interface not establish connection
PWR	On	Power on
	Off	Power off
LOS	Blink	Optical signal not received
	Off	Optical signal received
PON	On	Registered to the PON system
	Blink	Registering to the PON system
	Off	Incorrect registration
LAN1 ~ LAN2	On	Port (LANx) connected properly (LINK)
	Blink	Port (LANx) sending or/ and receiving data (ACT)
	Off	Port (LANx) connection incorrect
FXS	On	Phone registered to SIP server
	Blink	Phone registering and data in transmission (ACT)
	Off	Phone registration incorrect

APPLICATION	
Typical Solution	FTTH (fiber to the home)
Typical Business	INTERNET, IPTV, WIFI, VOIP etc.

Contact Us
www.btiwireless.com
sales@btiwireless.com