

**Specification****SHUR3104XR**

XPON ONU

1GE3FE/2.4G WIFI

1 OVERVIEW

- SHUR3104XR is designed as HGU (Home Gateway Unit) in different FTTH solutions. The carrier-class FTTH application provides different services access.
- SHUR3104XR is based on mature and stable, cost-effective XPON technology.
- SHUR3104XR adopts high reliability, easy management, configuration flexibility and good quality of service guarantees to meet the technical performance of EPON Standard of China Telecom CTC3.0 and GPON Standard of ITU-TG.984.X

2 FUNCTIONAL FEATURE

- Support EPON/GPON mode and switch mode automatically
- Support Route mode for PPPoE/IPoE/Static IP and Bridge mode
- Support IPv4 and IPv6 Dual mode
- Support 2.4G WIFI 802.11 b/g/n and 2*2 MIMO
- Support LAN IP and DHCP Server configuration
- Support Port Mapping and Loop-Detect
- Support Firewall function and ACL function
- Support IGMP Snooping/Proxy multicast feature
- Support TR069 remote configuration and maintenance
- Specialized design for system breakdown prevention to maintain stable system

3 HARDWARE SPECIFICATION

Item	Parameter
PON Interface	1 GPON BOB (Bosa on Board) Receiving sensitivity: ≤ -27 dBm Transmitting optical power: 0~+5dBm Transmission distance: 20KM
Wavelength	TX: 1310nm, RX: 1490nm
Optical Interface	SC/UPC Connector
Chip Spec	RTL9603C,DDR2 128MB
Flash	SPI Nor Flash 16MB /SPI Nand flash 1Gbit
LAN Interface	1 x 10/100/1000Mbps(GE) and 3 x 10/100Mbps(FE) auto adaptive Ethernet interfaces. Full/Half, RJ45 connector
Wireless	Compliant with IEEE802.11b/g/n, Operating frequency: 2.400-2.4835GHz support MIMO, rate up to 300Mbps, 2T2R,2 external antenna 5dBi, Support: Multiple SSID Channel: Auto Modulation type: DSSS, CCK and OFDM Encoding scheme: BPSK, QPSK, 16QAM and 64QAM
LED	9 LED, For Status of WIFI、WPS、PWR、LOS、PON、LAN1~LAN4
Push-Button	3,For Function of Factory Reset , WLAN, WPS
Operating Condition	Temperature: 0℃~+50℃ Humidity: 10%~90% (non-condensing)
Storing Condition	Temperature: -30℃~+60℃ Humidity: 10%~90% (non-condensing)
Power Supply	DC 12V/1A
Power Consumption	≤ 6 W
Dimension	180mm×107mm×28mm (L×W×H)
Net Weight	0.2Kg

4 PANEL LIGHTS INTRODUCTION

Pilot Lamp	Status	Description
WIFI	On	The WIFI interface is up.
	Blink	The WIFI interface is sending or/and receiving data (ACT).
	Off	The WIFI interface is down.
WPS	Blink	The WIFI interface is securely establishing a connection.
	Off	The WIFI interface does not establish a secure connection.
PWR	On	The device is powered up.
	Off	The device is powered down.
LOS	Blink	The device does not receive optical signals or with low signals.
	Off	The device has received optical signal.
PON	On	The device has registered to the PON system.
	Blink	The device is registering the PON system.
	Off	The device registration is incorrect.
LAN1~LAN4	On	Port (LANx) is connected properly (LINK).
	Blink	Port (LANx) is sending or/and receiving data (ACT).
	Off	Port (LANx) connection exception or not connected.

5 APPLICATION

- Typical Solution: FTTH(Fiber To The Home)
- Typical Business: INTERNET、IPTV、WIFI etc

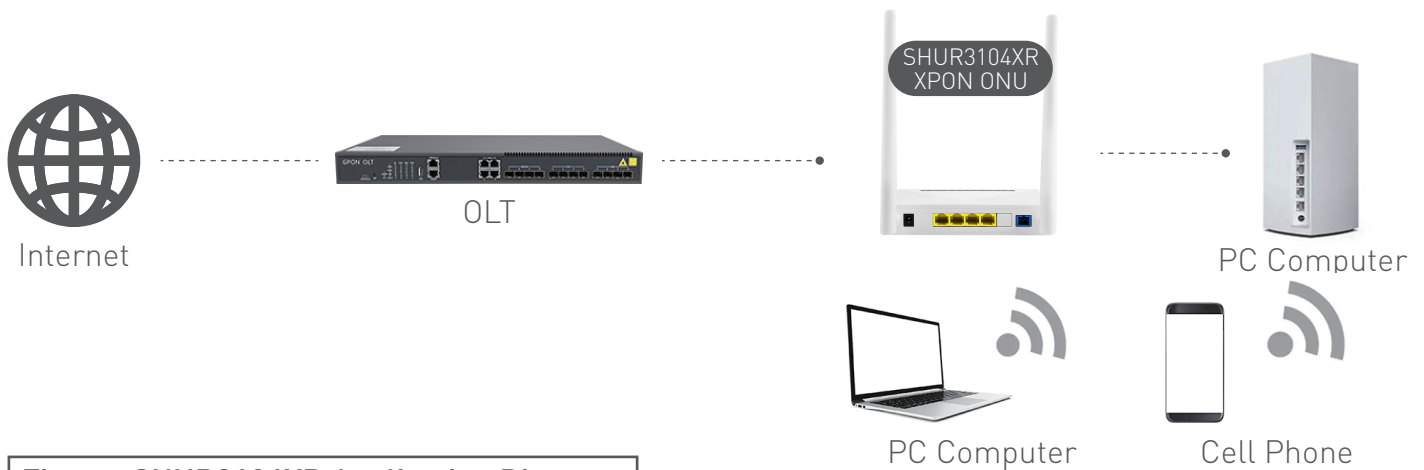


Figure: SHUR3104XR Application Diagram