

GPON 1GE+3FE+1POTS+WIFI

Lightem LGPONU-4R1PWF is designed as HGU (Home Gateway Unit) in different FTTH solutions. The carrier-class FTTH application provides different services access. LGPONU-4R1PWF is based on mature and stable, cost-effective GPON technology. LGPONU-4R1PWF adopts high reliability, easy management, configuration flexibility and good quality of service guarantees to meet the technical performance GPON Standard of ITU-TG.984.X and EPON standard of IEEE802.3ah.



FEATURES

- Support GPON mode and EPON mode.
- Support Route mode for PPPoE/DHCP/Static IP and Bridge mode
- Support IPv4 and IPv6 Dual mode
- Support 2.4G&5.8G WIFI and Multiple SSID
- 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

SPECIFICATIONS

PON Interface	GPON/EPON (Class B+)
Receiving sensitivity	≤ -27dBm
Transmitting optical power	+0.5~+5dBm
Transmission distance:	20KM
Wavelength	TX: 1310nm, RX: 1490nm
Optical Interface	SC/UPC Connector
Chip Spec	CPU 950MHz, DDR2 256 MB
Flash	SPI NAND Flash 128MB
LAN Interface	1 x 10/100/1000Mbps auto adaptive Ethernet interfaces. Full/Half, RJ45 connector 3 x 10/100Mbps auto adaptive Ethernet interfaces. Full/Half, RJ45 connector
Wireless	Compliant with IEEE802.11b/g/n 2.4G Operating frequency: 2400-24835GHz 5.8G Operating frequency: 5.150-5.825GHz 2.4G 2*2 MIMO, rate up to 300Mbps 5.8G 2*2 MIMO, rate up to 867Mbps 4 external antennas 5dBi
POTS interface	1 FXS, RJ11 connector Support: G.711/G.723/G.726/G.729 codec Support: T.30/T.38/G.711 Fax mode, DTMF Relay Line testing according to GR-909
LED	12 LED, For Status of PWR、LOS、PON、LAN1~LAN4、2.4G、5.8G、TEL、wps、internet
Push-Button	2, For Function of Reset, WLAN, WPS
Operating Temperature / Humidity	0 ~ +50°C / 10%~90% (non-condensing) / Humidity: 10%~90% (non-condensing)
Storing Temperature/ Humidity	-30 ~ +60°C / Humidity: 10%~90% (non-condensing)

Power Supply	DC 12V/1A
Power Consumption	≤6W
Dimension	180mm×107mm×28mm (L×W×H)
Net Weight	0.2Kg

PANEL LIGHTS INTRODUCTION

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.
	On	The device has registered to the PON system.
PON	Blink	The device is registering the PON system.
	Off	The device registration is incorrect.
	On	Port (LANx) is connected properly (LINK).
LAN1~LAN4	Blink	Port (LANx) is sending or/and receiving data (ACT).
	Off	Port (LANx) connection exception or not connected
	On	Phone has registered to the SIP Server.
TEL	Blink	Phone has registered and data transmission (ACT).
	Off	Phone registration is incorrect.
	On	24G WIFI interface up
24G	Blink	24G WIFI is sending or/and receiving data (ACT).
	off	24G WIFI interface down
	On	5G WIFI interface up
5.8G	Blink	5G WIFI is sending or/and receiving data (ACT).
	Off	5G WIFI interface down

APPLICATION

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

ORDERING INFORMATION

PN	DESCRIPTION
LGPONU-4R1PWF	GPON 1GE+3FE+1POTS+WIFI