



E/GPON (XPON) ONU

UB5041 GVW +

1GE + 3FE + 1 POTS + WIFI

Product Description

- UB5041 GVW+ is designed as HGU (Home Gateway Unit) in different FTTH solutions. The carrier-class FTTH application provides different services access.
- UB5041 GVW+ is based on mature and stable, cost-effective GPON technology.
- UB5041 GVW+ 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.

MAIN FEATURES

- Support GPON mode and EPON mode
- Support Route mode for PPPoE/IPoE/Static IP and Bridge mode
- Support IPv4 and IPv6 Dual mode
- Support 2.4G WIFI and 2*2 MIMO
- Support SIP Protocol for VoIP Service
- 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

PRODUCT FEATURES AND SPECIFICATIONS

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PON Interface

1 GPON/EPON (Class B+)
Receiving sensitivity: $\leq -27\text{dBm}$
Transmitting optical power: $+0.5\sim+5\text{dBm}$
Transmission distance: 20KM

LAN Interface

1 x 10/100/1000Mbps(GE)
3 x 10/100Mbps(FE) auto adaptive Ethernet interfaces.
Full/Half, RJ45 connector

Wavelength TX: 1310nm, RX: 1490nm

Optical Interface: SC/UPC Connector
Design Scheme: MTK7525
Chip Spec: CPU 950MHz,DDR2 128MB
FlashL: SPI NAND Flash 128MB

Push-Button

3,For Function of Reset, WLAN, WPS

LED

10 LED, For Status of WIFI、WPS、PWR、LOS、PON、
LAN1~LAN4、FXS

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

Physical Features

Power Supply: DC 12V/1A
Power Consumption: $\leq 6\text{W}$
Dimension: 180mm×107mm×28mm (L×W×H)
Net Weight: 0.2Kg

Operating Condition

Temperature: $0^{\circ}\text{C}\sim+50^{\circ}\text{C}$
Humidity: 10%~90% (non-condensing)

Storing Condition

Temperature: $-30^{\circ}\text{C}\sim+60^{\circ}\text{C}$
Humidity: 10%~90% (non-condensing)

WIFI Specification

- 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



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.
FXS	On	Phone has registered to the SIP Server.
	Blink	Phone has registered and data transmission (ACT).
	Off	Phone registration is incorrect.

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