



E/GPON (XPON) ONU

UB5041 GVW D+

1GE + 3FE + 1POTS + DUAL-BAND WIFI + 2USB

Product Description

UB5041 GVW-D+ is designed as HGU (Home Gateway Unit) in different FTTH solutions. The carrier-class FTTH application provides data and video service access.

UB5041 GVW-D+ is based on mature and stable, cost-effective GPON technology. It could switch automatically into GPON mode when access to the GPON OLT.

UB5041 GVW-D+ adopts high reliability, easy management, configuration flexibility and good quality of service guarantees to meet the technical performance of GPON Standard of ITU-TG.984.X and IEEE802.3ah.

MAIN 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

PRODUCT FEATURES AND SPECIFICATIONS

UB5041 GVW D+ XPON ONU

EPON/GPON Interface

- » SC/UPC single mode single fiber
- » GPON : FSAN G.984.2 standard, Class B+
- » EPON : 1000BASE-PX20+ symmetric
- » GPON : 2.488Gbps/1.244Gbps downstream/upstream
- » EPON : 1.25Gbps downstream/upstream
- » Transmission distance: 20KM
- » Receiving sensitivity: ≤ -27dBm
- » Transmitting optical power: +0.5~+5dBm
- » Wavelength: Transmit: 1310nm Receiver: 1490nm
- » Saturated power: GPON : -8dBm EPON : -3dBm
- » Transmitting power: GPON : 0.5~5dBm EPON: 0~4dBm

LED

- » 9 LED, For Status of PWR、LOS、PON、LAN1~LAN4、2.4G、5.8G

Push-Button

- » 2, For Function of Reset and WPS

Power Interface

- » 12V DC Power supply

Ethernet Interface

- » 1*10/100/1000M auto-negotiation
- » 3*10/100
- » Full/half duplex mode
- » RJ45 connector
- » Auto MDI/MDI-X
- » 100m distance

Physical Features

Power

- » External 12V DC/1A power supply adapter
- » Power consumption: ≤6W

Physical Specifications

- » Item Dimension : 248mm(L)*158mm(W)*192mm(H)
- » Item Net Weight : 0.3Kg

Environmental Specifications

- » Operating temperature: 0 to +50°C
- » Operating humidity: 10% to 90 % (Non-condensing)

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, DTMFRelay
- » Line testing according to GR-909

WIFI Specification

- Compliant with IEEE802.11b/g/n/ac
- 2.4G Operating frequency: 2.400-2.4835GHz
- 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
- Support Multiple SSID



Panel lights Introduction

Pilot Lamp	Status	Description
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.
TEL	On	Phone has registered to the SIPServer.
	Blink	Phone has registered and data transmission(ACT).
	Off	Phone registration is incorrect.
2.4G	On	2.4G WIFI interface up
	Blink	2.4G WIFI is sending or/and receiving data (ACT).
	Off	2.4G WIFI interface down
5.8G	On	5G WIFI interface up
	Blink	5G WIFI is sending or/and receiving data (ACT).
	Off	5G WIFI interface down

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