

Maipu PU3200-4GAC GPON HGU

Datasheet

Overview

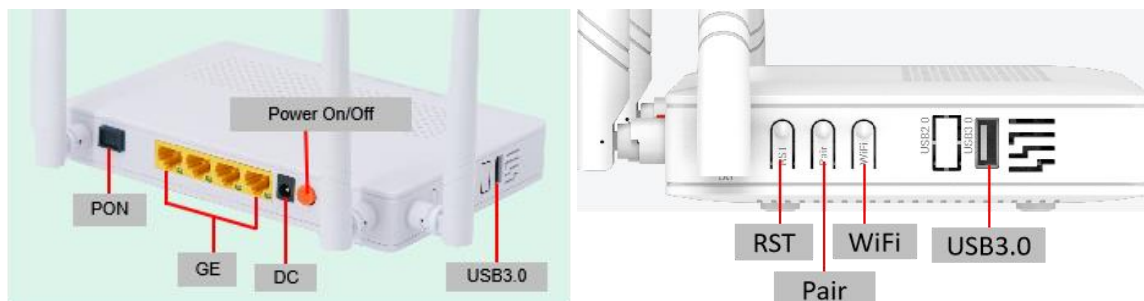
Maipu PU3200-4GAC GPON HGU is designed for fulfilling FTTH and triple play service demand of fixed network operators. These HGU adopt mature GPON technology, providing Wi-Fi, Layer 2/3 forwarding, rich management features as well. And they are fully compliant with technical regulations such as IEEE802.3ah, ITU-T G.984.x, etc.

PU3200-4GAC provides 1*GPON port,4*GE RJ45 and 802.11b/g/n/ac Wi-Fi.



PU3200-4GAC

Panel lights & Interface Description



LED	ON	Blink	OFF
PWR	The device is powered up	N/A	The device is powered down
PON	Green is registered to the PON system	Green is registering to the PON system	Device is not registered to the PON system
LOS	Device does not receive optical signals	N/A	Device have received optical signals
LAN1~LAN4	Port is connected properly	Port is Sending/Receiving Data	The subscriber network cable is not plugged tightly or the port connection is incorrect or no connection.
Wi-Fi (2.4G/5Ghz)	Wi-Fi Turn On	Wi-Fi Turn On with ongoing data transmission	Device is Power Off or Wi-Fi Turn Off
USB	USB device is connected	Ongoing data transmission	USB device not connected

Port Type	Function
PON	Connect PON port with internet by SC/UPC type, single mode optical fiber cable.
LAN 1/2/3/4	Connect device with ethernet port by RJ-45 cat5 cable.
RST Button	Press down reset button and keep about 5seconds to make the device restart and recover from the factory default settings.
Pair Button	Press down WLAN Pair button to begin pairing.
Wi-Fi Button	WLAN on/off.
DC12V	Connect with power adapter.

Technical Specifications

Hardware Specification	
PON interface	GPON Class B+ Receiving sensitivity: $\leq -28\text{dBm}$ Transmitting optical power: $0 \sim +4\text{dBm}$ Transmission distance: 20KM
Wavelength	Tx1310nm, Rx 1490nm
Optical interface	SC/UPC connector
LAN interface	4*10/100/1000Mbps auto adaptive Ethernet interfaces, Full/Half, RJ45 connector
USB interface	USB 3.0, Transmission Rate: 4.8Gbps
Wi-Fi interface	Compliant with IEEE802.11b/g/n/ac 2.4GHz Operating frequency: 2.400-2.483GHz (Wi-Fi 4) 5.0GHz Operating frequency: 5.150-5.825GHz (Wi-Fi 5 wave 2) WiFi:4*4 MIMO,5dBi antenna, rate up to 1.167Gbps, Multiple SSID TX power: 11n--22dBm/11ac--24dBm
Operating Environment	Temperature: $0^{\circ}\text{C} \sim +50^{\circ}\text{C}$ Humidity: 10%~90% (non-condensing)
Storing Environment	Temperature: $-30^{\circ}\text{C} \sim +60^{\circ}\text{C}$ Humidity: 10%~90% (non-condensing)
Power Supply	DC 12V/1.5A,12W
Dimension	178mm×120mm×30m(L×W×H)
Net weight	0.42kg
Software Key Feature	
Management Mode	OAM/OMCI, Telnet,WEB,TR069
Data Service Functions	Full speed non-blocking switching 2K MAC address table 64 full range VLAN ID Support QinQ VLAN, 1:1 VLAN, VLAN reusing, VLAN trunk, etc Integrated port monitoring, port mirroring, port rate limiting, port SLA, etc Support auto polarity detection of Ethernet ports (AUTO MDIX) Integrated IEEE802.1p QoS with four level priority queues Support IGMP v1/v2/v3 snooping/proxy and MLD v1/v2 snooping/proxy Support bridge, router and bridge/router mixed mode IP address assignment: dynamic PPPoE/DHCP Client and static IP
WiFi Service Functions	Integrated 802.11b/g/n/ac (WIFI5) protocol. Support max 128 users. Authentication: WEP/WAP-PSK(TKIP)/WAP2-PSK(AES) Modulation type: DSSS, CCK and OFDM Encoding scheme: BPSK, QPSK,16QAM and 64QAM

Order Information

Product model	Product specification
PU3200-4GAC	GPON ONU, 1*GPON port,4*GE RJ45, and IEEE 802.11b/g/n/ac Wi-Fi.

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