



Maipu PU3200-2GAC GPON HGU

Maipu PU3200-2GAC GPON HGU terminal devices is designed for fulfilling FTTH and triple service demand of fixed network operators. These HGU adopt mature GPON technology, provide Wi-Fi, Layer 2/3 forwarding, high quality VoIP and rich management features as well. And they are fully compliant with technical regulations such as IEEE802.3ah, ITU-T G.984.x, etc. PU3200-2GAC provides 1*GPON Port, 2*GE Ports and 802.11b/g/n/ac Wi-Fi.

(Note: The product information may not be latest. For the latest, please contact overseas@maipu.com)

Product Features

Panel lights

LED	ON	Blink	OFF
PWR	The device is powered up	—	The device is powered down
PON	Green is registered to the PON system	Green is registering to the PON system	Green is not registered to the PON system
LOS	Device does not receive optical signals	—	Device have received optical signals
WAN	Route WAN connect to internet.	—	Router WAN do not connect to internet.
WI-FI (2.4/5.0G)	Wi-Fi turned on	Wi-Fi turn on and with ongoing data transmission	Device is power off or Wi-Fi turned off
PHONE (option)	Device has registered to the soft-switch, but without ongoing data transmission	Phone hooks off or the port is with ongoing data transmission	Device is power off or not registered to the soft-switch
LAN1~LAN2	Port is connected properly	Port is sending or/and receiving data	Port connection exception or not connected

Product Specifications

Hardware Specification

	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	2 x 10/100/1000Mbps auto adaptive Ethernet interfaces, Full/Half, RJ45 connector
Wi-Fi interface	Compliant with IEEE802.11b/g/n/ac 2.4GHz Operating frequency: 2.400-2.483GHz 5.0GHz Operating frequency: 5.150-5.825GHz Support MIMO, 4T4R, 5dBi external antenna, rate up to 1.167Gbps Support: multiple SSID TX power: 11n--22dBm/11ac--24dBm
LED	For POWER、LOS、PON、WAN、LAN1、LAN2、2.4G、5G
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)
Power adapter	DC 12V/1.5A or DC 12V/1.0A
Power supply	$\leq 10\text{W}$
Dimension	178mm×120mm×30m(L×W×H)
Net weight	0.32Kg

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

Wi-Fi Service Functions	Support bridge, router and bridge/router mixed mode
	Integrated 802.11b/g/n/ac
	Authentication: WEP/WAP-PSK(TKIP)/WAP2-PSK(AES)
	Modulation type: DSSS, CCK and OFDM
	Encoding scheme: BPSK, QPSK, 16QAM and 64QAM

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Order Information

Product model	Product specification
PU3200-2GAC	GPON HGU, 1*GPON Port, 2*GE Port and 802.11b/g/n/ac Wi-Fi

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