Maipu PU3200-2GAC GPON HGU Datasheet

Overview

Maipu PU3200-2GAC GPON HGU terminal devices are 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, 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.



PU3200-2GAC

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

Technical Specifications

Hardware Specification	
	GPON Class B+
	Receiving sensitivity: ≤-28dBm
	Transmitting optical power: 0 ~ +4dBm
	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, 2T2R, 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: -10℃ ~ +55℃
	Humidity: 5% ~ 95% （non-condensing）
Storing condition	Temperature: -40℃ ~ +70℃
	Humidity: 5% ~ 95% （non-condensing）
Power adapter	DC 12V/1.0A
Power supply	≤12W
Dimension	139.3mm×136.7mm×30m(L×W×H)
Net weight	195g
Software Key Feature	
Management Mode	OAM/OMCI、Telnet、WEB、TR069
Data Service Functions	Full speed non-blocking switching
	1K MAC address table
	8 full range VLAN ID
	Support VLAN tag, untag, transparent, trunk, translation mode
	Integrated port monitoring, port mirroring, port rate limiting, port SLA, etc
	Support auto polarity detection of Ethernet ports (AUTO MDIX)
	Support 4 queues, support SP, WRR, 802.1P and DSCP
	Support IGMP v1/v2/v3 snooping/proxy and MLD v1/v2 snooping/proxy
	Support bridge, router and bridge/router mixed mode
Wi-Fi Service Functions	Integrated 802.11b/g/n/ac
	Authentication: WEP/WAP-PSK(TKIP)/WAP2-PSK(AES)/WAP3
	Modulation type: DSSS、CCK and OFDM
	Encoding scheme: BPSK、QPSK、256QAM
L3 Service Functions	IPv4, IPv6 and IPv4/IPv6 dual stack
	DHCP/PPPOE/Static
	Static route, DHCP Server
	NAT/DMZ/DDNS/Virtual Server
Security Functions	Support Firewall
	Support Mac filter Based on MAC or URL
	Support ACL

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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