



Maipu PU3200-1G1FN GPON HGU

Maipu PU3200-1G1FN 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 and rich management features as well. And they are fully compliant with technical regulations such as IEEE802.3ah, ITU-T G.984.x, etc. PU3200-1G1FN provides 1*GPON port, 1*GE Port, 1*FE RJ45 Port and 802.11b/g/n Wi-Fi.

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

Product Features

| Power | PWR | Off | Device is powered down. |
|---------------------|--|----------|---|
| Optical signal loss | LOS | Blink | Device does not receive optical signals. |
| | | Off | Device has received optical signal. |
| Registration | REG | On | Device is registered to the PON system. |
| | | Off | Device is not registered to the PON system. |
| | | Blink | Device is registering. |
| Interface | GE、FE | On | Port is connected properly. |
| | | Off | Port connection exception or not connected. |
| | | Blink | Port is sending or/and receiving data. |
| Wireless | Wi-Fi | On | Wi-Fi turned on. |
| | | Off | Device is power off or Wi-Fi turned off. |
| | | Blink | Wi-Fi data transmission. |
| Port Type | | Function | |
| PON | V2802W: SC/UPC type, single mode optical fiber cable V2802WT: SC/APC type, single mode optical fiber cable with WDM | | |
| GE、FE | Connect device with ethernet port by RJ-45 cat5 cable. | | |
| RST | Press down reset button and keep 1-5 seconds to make the device restart and recover from the factory default settings. | | |
| DC12V | Connect with power adapter. | | |
| Power On/OFF | Power turns on/off. | | |

Product Specifications

Hardware Specification

| | |
|-------------------|---|
| PON interface | 1 GPON Class B+ |
| | Receiving sensitivity: $\leq -28\text{dBm}$, Saturability: -8dBm |
| | Transmitting optical power: $0\sim+4\text{dBm}$ |
| | Transmission distance: 20KM |
| Wavelength | Tx1310nm,Rx 1490nm |
| Optical interface | SC/UPC connector |
| LAN interface | 1 x 10/100/1000Mbps and 1 x 10/100Mbps auto adaptive Ethernet interfaces. Full/Half, RJ45 connector |
| Wi-Fi interface | 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:13 |

| | |
|---------------------|--|
| | Encoding scheme: BPSK、QPSK、16QAM and 64QAM |
| LED | For POWER, LOS, PON, GE, FE, Wi-Fi |
| Operating condition | Temperature: 0°C~+50°C |
| | Humidity: 10%~90% (non-condensing) |
| Storing | Temperature: -30°C~+70°C |
| condition | Humidity: 10%~90% (non-condensing) |
| Power supply | DC 12V/1A |
| Power supply | ≤6W |
| Dimension | 185mm×120mm×34mm (L×W×H) |
| Net weight | 0.24Kg |

Software Key Feature

| | |
|---------------|---|
| Software mode | Bridging and Routing Mode |
| Basic | Support MPCP discover and register |
| | Support authentication Mac/Loid/Mac+Loid |
| | Support Triple Churning |
| | Support DBA bandwidth |
| | Support auto-detecting, auto-configuration, and auto firmware upgrade |

| | |
|-----------|-----------------------------|
| Alarm | Support Dying Gasp |
| | Support Port Loop Detect |
| | Support Eth Port Los |
| LAN | Support Loop Detection |
| | Support Storm Control |
| VLAN | Support 4K VLAN |
| | Support VLAN Tag/untag |
| | Support VLAN Translation |
| | Support VLAN Bound |
| | Support Auto VLAN Detection |
| Multicast | Support IGMPv1/v2 |
| | Support IGMP Snooping |
| | Support MLD |
| | Max Multicast Group 64 |
| QoS | Support 4 queues |
| | Support SP and WRR |
| | Support 802.1P |

| | |
|------------|---|
| L3 | Support NAT |
| | Support IPv4 Static route |
| | Support IPv4 dual stack |
| Wi-Fi | IEEE802.11b/g/n (TX power:17dBm/16dBm/15dBm), Up to 300Mbps |
| | Support Authentication: WEP/WAP-PSK(TKIP)/WAP2-PSK(AES) |
| | Support multiple SSID and SSID conceal |
| | Support Wireless channel selection |
| Management | Support CTC OAM 2.1 and 3.0 |
| | Support ITUT984.x OMCI |
| | Support WEB |
| | Support Telnet |
| | Support CLI |

Close
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Order Information

| Product model | Product specification |
|---------------|---|
| PU3200-1G1FN | GPON ONU, 1*GPON Port, 1*GE Port, 1*FE Port and 802.11b/g/n Wi-Fi |

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