

WGP3200-DW Dual-band GPON ONT



WGP3200-DW GPON ONT supports the up-link and down-link symmetric 1Gbps transmission rate, providing users with good QoS guarantee and flexible bandwidth allocation. Ethernet business and IP integrated services. Integrated CATV optical receiver function, together with ONU to form a single-fiber FTTH solution. The fiber access provides high-speed data channels and meets FTTH requirements. one voice interfaces, four channel of 10/100/1000M self-adaption Ethernet interface are provided. which can be used by multiple users simultaneously.

GPON ONT supports 802.11ac dual-frequency bands Wi-Fi (2.4 GHz and 5.8 GHz) interface. It supports flexible applications and plug and play as well as provides high-quality voice, data and high-definition video services to users. It's fully meet the ITU-TG984.x and IEEE802.3ah technical standards and has good compatibility with third party manufacturers OLT.

Main Features

- Dual mode(Can access EPON/GPON OLTs)
- Meets FTTH requirements to provide high-speed Internet access and voice service.
- Supports 802.11ac. Compatible with 802.11b/g/n/a products.
- Support downstream 2.5Gbps and upstream to 1.25Gbps with transmission distance to 20Km. (GPON mode)
- Supports one channel of SIP/ H248- Protocol-based voice services.
- Dual-band for combined wireless speeds of up to 1200Mbps at 2.4GHz and 5GHz band concurrently.
- Supports OMCI (ONT Management Control Interface)and OAM remote management.
- CATV function manageable, support CATV remote shutdown.
- Support IPv4/ IPv6 IGMP snooping and MLD snooping

Specifications

| General | |
|--------------------|--|
| Protocol standards | ITU-T G.984.x, IEEE802.3ah |
| Distance | 20km Max |
| Data rates | 1 GPON/EPON auto-adaptive interface, SC Single-mode/ single-fiber Work as GPON: Upstream rate 1.25Gbps Downstream rate 2.5Gbps Work as EPON: Upstream rate 1.25Gbps Downstream rate 1.25Gbps |
| Wireless standards | IEEE802.11b/g/n/a/ac |
| Single rate | 5GHz: Up to 867Mbps |

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|-------------------------|---|
| | 2.4GHz: Up to 300Mbps |
| Operating frequency | 2.4GHz & 5GHz |
| Transmit power | 5G 21.5dBm@6M 11a 19dBm@54M 11a 17dBm@MCS8 VHT20 11ac 17dBm@MCS9 VHT40 11ac 17dBm@MCS9 VHT80 11ac 2.4G 16dBm@MCS7 HT40 16dBm@MCS7 HT20 17dBm@OFDM 54M 19dBm@CCK 11M |
| Receive sensitivity | 5GHz 11a 6Mbps: -94.5dBm 11a 54Mbps: -77dBm 11ac VHT20: -65.5dBm 11ac VHT40: -70.5dBm 11ac VHT80: -62.5dBm 2.4GHz 11g 54M: -67dBm 11n HT20: -64dBm 11n HT40: -62dBm |
| PON TX power | 1~5dBm (1310nm) |
| PON RX sensitivity | <-28dBm (1490nm) |
| Wireless security | WEP.WPA/WPA2, WPA-PSK/WPA2-PSK encryption |
| Power | ≤10W |
| CATV | |
| Optical receiving power | -15~ +2 dBm |
| AGC range | -12~ -2dBm |
| Fiber return loss | >14 dB |
| Wave length | 1100~1600nm |
| Connector | RF |
| C/N | ≥45 dB |
| C/CTB | ≥ 62 dB |
| C/CSO | ≥ 61 dB |
| BW | 40-1000 MHz |
| Output level | ≤82 dBuV |
| Hardware | |
| Interfaces | 1x SC/UPC or 1xSC/APC(optional) 4x 10/100/1000Mbps LAN Ports 1x FXS Port 1x RF Port |

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|-------------------------|--|
| Buttons | WiFi Button,WPS/ Reset Button |
| Power supply | DC 12V 1.5A |
| Antenna | 4*5dBi external antennas |
| Dimension (W x D x H) | 273*174*32.5mm (length*width*height) |
| Environment | |
| Operating temperature | -10° C~50° C |
| Storage temperature | -40° C~70° C |
| Operating humidity | 10%~90%, non-condensing |
| Storage humidity | 5%~95%, non-condensing |
| Certifications | CE, RoHS |
| Software | |
| WAN type | Dynamic IP/Static IP/PPPoE |
| DHCP | Server,Client, DHCP Client List, Address Reservation |
| Quality of service | WMM, Bandwidth Control |
| Port Forwarding | Virtual Server,Port Triggering, UPnP, DMZ |
| VLAN | 802.1Q tag VLAN, VLAN transparent mode/ VLAN translation mode/ VLAN trunk mode |
| Access control | Parental Control, Local Management Control, Host List, Access Schedule,Rule Management |
| Firewall Security | DoS, SPI Firewall IP Address Filter/ MAC Address Filter/Domain Filter IP and MAC Address Binding |
| Management | Access Control Local Management Remote Management |
| Internet Protocol | IPv4, IPv6 |
| Package Contents | |
| Package Contents | 1 x GPON ONT Pro 1 x Quick Installation Guide 1 x Power Adapter |