

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

GPON ONT Datasheet



	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
	5GHz
	11a 6Mbps: -94.5dBm
	11a 54Mbps: -77dBm
	11ac VHT20: -65.5dBm
	11ac VHT40: -70.5dBm
Receive sensitivity	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



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 -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 Beservation 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 Parental Control, Host List, Access Schedule, Rule Management Management Erirewall Security Eilter/Domain Filter/Domain Filter/Domain Filter/Domain Filter Dos, SPI Firewall IP Address Filter/ MAC Address Management Local Management Local Management Local Management Remote Management Management Local Management Remote Management Remote Management Internet Protocol IPv4, IPv6 <td< th=""><th></th><th></th></td<>		
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 Berver, Client, DHCP Client List, Address Reservation Quality of service WMM, Bandwidth Control VIAN WILLIAM S02.1Q tag VLAN, VLAN transparent mode/ VLAN VLAN translation mode/ VLAN trunk mode Parental Control, Local Management Control, Host List, Access Schedule, Rule Management DoS, SPI Firewall IP Address Filter/ MAC Address Firewall Security Filter/Domain Filter IP and MAC Address Binding Access Control Local Management Internet Protocol IPv4, IPv6 Package Contents 1 x GPON ONT Pro 1 x Quick Installation Guide	Buttons	WiFi Button,WPS/ Reset Button
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Environment Operating temperature	Antenna	4*5dBi external antennas
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 Server, Client, DHCP Client List, Address Reservation Quality of service WMM, Bandwidth Control Port Forwarding Virtual Server, Port Triggering, UPnP, DMZ 802.1Q tag VLAN, VLAN transparent mode/ VLAN translation mode/ VLAN trunk mode Parental Control, Local Management Control, Host List, Access Schedule, Rule Management DoS, SPI Firewall IP Address Filter/ MAC Address Filter/Domain Filter IP and MAC Address Binding Access Control Management Local Management Local Management Local Management Internet Protocol IPv4, IPv6 Package Contents 1 x GPON ONT Pro 1 x Quick Installation Guide	Dimension (W x D x H)	273*174*32.5mm (length*width*height)
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Operating humidity Storage humidity Storage humidity Sw-95%, non-condensing CE, RoHS Software WAN type Dynamic IP/Static IP/PPPOE Server, Client, DHCP Client List, Address Reservation Quality of service WMM, Bandwidth Control Port Forwarding Virtual Server, Port Triggering, UPnP, DMZ 802.1Q tag VLAN, VLAN transparent mode/ VLAN Access control Control, Host List, Access Schedule, Rule Management DoS, SPI Firewall IP Address Filter/ MAC Address Firewall Security Filter IP and MAC Address Binding Access Control Management Local Management Local Management Internet Protocol Package Contents 1 x GPON ONT Pro 1 x Quick Installation Guide	Operating temperature	-10° C~50° C
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WAN type Dynamic IP/Static IP/PPPoE Server, Client, DHCP Client List, Address Reservation Quality of service WMM, Bandwidth Control Port Forwarding Virtual Server, Port Triggering, UPnP, DMZ 802.1Q tag VLAN, VLAN transparent mode/ VLAN Access control Parental Control, Local Management Control, Host List, Access Schedule, Rule Management DoS, SPI Firewall IP Address Filter/ MAC Address Filter IP and MAC Address Binding Access Control Management Docal Management Internet Protocol IPv4, IPv6 Package Contents 1 x GPON ONT Pro 1 x Quick Installation Guide	Certifications	CE, RoHS
DHCP Server,Client, DHCP Client List, Address Reservation Quality of service WMM, Bandwidth Control Virtual Server,Port Triggering, UPnP, DMZ 802.1Q tag VLAN, VLAN transparent mode/ VLAN trunk mode Parental Control, Local Management Control, Host List, Access Schedule,Rule Management DoS, SPI Firewall IP Address Filter/ MAC Address Firewall Security Filter IP and MAC Address Binding Access Control Management Local Management Internet Protocol Package Contents 1 x GPON ONT Pro 1 x Quick Installation Guide	Software	
DHCP Reservation Quality of service WMM, Bandwidth Control Virtual Server,Port Triggering, UPnP, DMZ VLAN 802.1Q tag VLAN, VLAN transparent mode/ VLAN translation mode/ VLAN trunk mode Parental Control, Local Management Control, Host List, Access Schedule,Rule Management DoS, SPI Firewall IP Address Filter/ MAC Address Filter IP and MAC Address Binding Access Control Management Local Management Local Management Internet Protocol Package Contents 1 x GPON ONT Pro 1 x Quick Installation Guide	WAN type	Dynamic IP/Static IP/PPPoE
Reservation Quality of service WMM, Bandwidth Control Port Forwarding Virtual Server,Port Triggering, UPnP, DMZ 802.1Q tag VLAN, VLAN transparent mode/ VLAN translation mode/ VLAN trunk mode Parental Control, Local Management Control, Host List, Access Schedule,Rule Management DoS, SPI Firewall IP Address Filter/ MAC Address Firewall Security Filter IP and MAC Address Binding Access Control Management Local Management Local Management Remote Management Internet Protocol Package Contents 1 x GPON ONT Pro 1 x Quick Installation Guide	DHCP	Server, Client, DHCP Client List, Address
Port Forwarding Virtual Server,Port Triggering, UPnP, DMZ 802.1Q tag VLAN, VLAN transparent mode/ VLAN translation mode/ VLAN trunk mode Parental Control, Local Management Control, Host List, Access Schedule,Rule Management DoS, SPI Firewall IP Address Filter/ MAC Address Filter/Domain Filter IP and MAC Address Binding Access Control Local Management Internet Protocol IPv4, IPv6 Package Contents 1 x GPON ONT Pro 1 x Quick Installation Guide		Reservation
VLAN 802.1Q tag VLAN, VLAN transparent mode/ VLAN translation mode/ VLAN trunk mode Parental Control, Local Management Control, Host List, Access Schedule,Rule Management DoS, SPI Firewall IP Address Filter/ MAC Address Firewall Security Filter IP and MAC Address Binding Access Control Local Management Internet Protocol Package Contents 1 x GPON ONT Pro 1 x Quick Installation Guide	Quality of service	WMM, Bandwidth Control
VLAN translation mode/ VLAN trunk mode Parental Control, Local Management Control, Host List, Access Schedule,Rule Management DoS, SPI Firewall IP Address Filter/ MAC Address Filter/Domain Filter IP and MAC Address Binding Access Control Local Management Internet Protocol Package Contents VLAN translation mode/ VLAN trunk mode VLAN trunk mode Parental Control, Local Management IP Address Schedule,Rule Management IP Address Filter/ MAC Address Filter/ MAC Address IP Address Binding Access Control Local Management Remote Management Internet Protocol IPv4, IPv6 Package Contents 1 x GPON ONT Pro 1 x Quick Installation Guide	Port Forwarding	Virtual Server,Port Triggering, UPnP, DMZ
VLAN translation mode/ VLAN trunk mode Parental Control, Local Management Control, Host List, Access Schedule, Rule Management DoS, SPI Firewall IP Address Filter/ MAC Address Firewall Security Filter/Domain Filter IP and MAC Address Binding Access Control Local Management Local Management Remote Management Internet Protocol IPv4, IPv6 Package Contents 1 x GPON ONT Pro 1 x Quick Installation Guide	VLAN	802.1Q tag VLAN, VLAN transparent mode/
Access control Control, Host List, Access Schedule,Rule Management DoS, SPI Firewall IP Address Filter/ MAC Address Filter/Domain Filter IP and MAC Address Binding Access Control Local Management Remote Management Internet Protocol Package Contents 1 x GPON ONT Pro Package Contents 1 x Quick Installation Guide		VLAN translation mode/ VLAN trunk mode
Management DoS, SPI Firewall IP Address Filter/ MAC Address Filter/Domain Filter IP and MAC Address Binding Access Control Local Management Remote Management Internet Protocol Package Contents 1 x GPON ONT Pro Package Contents 1 x Quick Installation Guide	Access control	Parental Control, Local Management
DoS, SPI Firewall IP Address Filter/ MAC Address Filter/Domain Filter IP and MAC Address Binding Access Control Local Management Remote Management Internet Protocol IPv4, IPv6 Package Contents 1 x GPON ONT Pro 1 x Quick Installation Guide		Control, Host List, Access Schedule, Rule
Firewall Security Filter/Domain Filter IP and MAC Address Binding Access Control Local Management Remote Management Internet Protocol Package Contents 1 x GPON ONT Pro 1 x Quick Installation Guide		Management
Filter/Domain Filter IP and MAC Address Binding Access Control Local Management Remote Management Internet Protocol Package Contents 1 x GPON ONT Pro 1 x Quick Installation Guide	Firewall Security	DoS, SPI Firewall
Filter IP and MAC Address Binding Access Control Local Management Remote Management Internet Protocol Package Contents 1 x GPON ONT Pro 1 x Quick Installation Guide		IP Address Filter/ MAC Address
IP and MAC Address Binding Access Control Local Management Remote Management Internet Protocol IPv4, IPv6 Package Contents 1 x GPON ONT Pro 1 x Quick Installation Guide		Filter/Domain
Access Control Local Management Remote Management Internet Protocol IPv4, IPv6 Package Contents 1 x GPON ONT Pro Package Contents 1 x Quick Installation Guide		Filter
Management Local Management Remote Management Internet Protocol IPv4, IPv6 Package Contents 1 x GPON ONT Pro Package Contents 1 x Quick Installation Guide		IP and MAC Address Binding
Remote Management Internet Protocol IPv4, IPv6 Package Contents 1 x GPON ONT Pro Package Contents 1 x Quick Installation Guide	Management	Access Control
Internet Protocol IPv4, IPv6 Package Contents 1 x GPON ONT Pro Package Contents 1 x Quick Installation Guide		Local Management
Package Contents 1 x GPON ONT Pro Package Contents 1 x Quick Installation Guide		Remote Management
1 x GPON ONT Pro Package Contents 1 x Quick Installation Guide	Internet Protocol	IPv4, IPv6
Package Contents 1 x Quick Installation Guide	Package Contents	
	Package Contents	1 x GPON ONT Pro
1 x Power Adapter		1 x Quick Installation Guide
		1 x Power Adapter