1*2.5G+3GE+POTS+WiFi6

XGPON ONT

Model: XGPWF-6

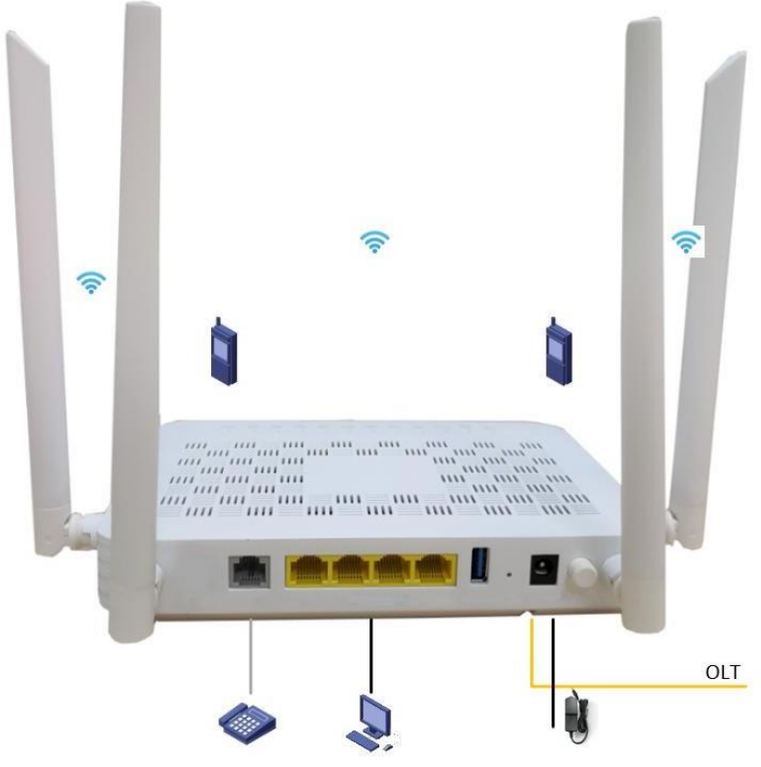
Overview

The XGPWF-6 is a XGPON optical terminal access device (AX3000Mbps) that is highly integrated with dual-frequency Wi-Fi6. It is the end-product of optical fiber for operators. It supports ultra-bandwidth access through XGPON upstream technology and provides users with basic WIFI functions, routing, and gigabit Ethernet functions. The upstream network ports of the XGPWF-6 are XGPON ports. The downstream user ports include four GE electrical ports, one USB port,one VOIP port and AX3000 WiFi6 WLAN ports.

Interface function

- 1 * XGPON interface: SC/UPC/APC interface, XGPON standard
- 1*2.5G+3*GE, 1000 MBPS, RJ - 45, IEEE802.3-2005 standard
- 1 * VOIP interface: in accordance with G. 711 a/u, G. 729 a/b, G. 722 standard
- 1 * USB interface: standard USB 3.0 interface
- Dual-band WIFI6 AX3000 (2 ×2 MIMO (2.4G&5G))

Cable connection



Hardware Parameters

Flash	256MB NAND
Memory	512MB DDR4
LED	POWER+PON/LOS+NET+LAN +POTS+WiFi+WPS+USB
Port	1*2.5G+3*GE
	1*RJ11(POTS)
	1*Reset+1*Power +1*LED button+1*WiFi button+1*WPS
	1*SC/UPC (or SC/APC)
	1*POTS
	1*DC
	1*USB3.0
Size	190mm*135mm*33mm(L*W*H)
consumption	≤10W

Interface Parameters

XGPON Port	Class B + optical system Maximum Receive Sensitivity: -8 dBm Minimum reception sensitivity: -28 dBm Wavelengths: US 1270 nm, DS 1577nm 10G downstream/2.5G upstream
Ethernet Port	Ethernet port-based VLAN tags and tag removal VLAN transparent and mark MAC address learning 100/100/1000/2.5G Mbps Autonegotiation
VoIP Port	Call waiting, Inconditional Call Forward, Call Forward if Busy,Call Forward if no reply and Three-party calls. G711A/G711U/G729/G722 SDP protocol (RFC 2327 and RFC 4566) T.30/T.38/G.711 fax mode DTMF
USB	Usb3.0

Product Function

XGPON

- ITU-T G.987.3, G.988, G.989
- 15 TCONTs /256GEM ports
- 8 Egress queues per TCONT at least
- VLAN/ priority/VEIP gem mapping mode
- SN/LOID/SN+ Password authentication
- Performance monitoring: eth/Gem port
- Dying gasp

Layer 3 Features

- PPPoE/Static IP/DHCP
- NAT/NAPT
- Port forwarding
- ALG, UPnP
- DDNS
- IPv6/IPv4 dual stack, and DS-Lite
- Static/Default routes
- Multiple services on one WAN port
- RIPv2 with passive mode

Layer 2 Features

- MAC learning (SVL)/aging
- Support max frame length to1518 bytes
- VLAN tagging for untagged packets
- Support VLAN 1-4094
- VLAN transparent/translation

QoS

- Support 8 Queues with Strict Priority
- Ethernet port rate limitation
- 802.1ppriority
- SP/WRR
- Service flow classification

Multicast

- IGMP v2 (RFC 2236) and IGMP v3 (RFC 3376)
- IGMP snooping and IGMP Proxy
- MLD v1/v2

WiFi6（AX3000）

WiFi protocol	2.4GHz supports 802.11b/g/n/ax 5GHz supports 802.11a/n/ac/ax
Transmit power	2.4G 100mW,5G/200mW,
Antenna gain	5dBi
Antenna	dual-antenna MIMO (2*2) (2.4G&5G)
WLAN penetrate	one reinforced concrete wall or two ordinary brick walls (non-reinforced concrete),
WLAN access capability	64/SSID
channel	2.4GHz（channel 1-13） 5GHZ（channel 36-161 ）
WPS	WLAN terminal devices with WPS Push Button function establish connection within 2 minutes
WLAN security function	WPA-PSK、WPA2-PSK、WPA3、WPA-PSK/WPA2-PSK AES、AES+TKIP
Air Speed	574 Mbps (2.4GHz)，2402 Mbps (5GHz)
Multicast	WMM(Wi-Fi Multi Media)

Product Function-Continued

Management

- OMCI/Web UI/TR069
- Telnet/SSH management with CLI
- commands Dual-system software backup and rollback

Environment

Operating Temperature	0℃~45℃
Storage Temperature	-20℃~70℃
Operating Humidity	5%～95%（non-condensing）
Power Supply	12V/1.5A

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