WXGP4200-W-18 Series 10G+wifi 6 XPON ONT

WXGP4200-W-18 is an optical network unit specially designed to meet high broadband access requirements. Mainly used in FTTH/FTTB scenarios, providing data, voice and video services based on XG-PON technology. Built with the latest generation of Wi-Fi 6 technology. Equipped with OFDMA, providing up to 1.8Gbps speed, 4 times faster than 11ac technology, fully compliant with the next-generation Wi-Fi 6 (IEEE802.11ax) standard, ITU-TG.987.x/988 technology standard, and has good compatibility with third-party OLT of interoperability.

This product has the characteristics of high bandwidth, high reliability, wide network coverage, QoS guarantee, OMCI management, flexible network expansion and so on. With smart routing, you get top-notch network security with the latest WPA3, protecting your family from malware, password theft, identity theft and hacking. Users can install various applications by themselves, control the bandwidth, the number of Internet users, browse the web and Internet time, and have a powerful USB sharing function. The device is cost-effective, easy to deploy, and easy to manage, making it a leader in the new generation of smart gateways.

Product Features

- Plug and play, integrated auto-detection, auto-configuration and auto-firmware upgrade.
- Support 1*USB3.0
- Supports multiple SSIDs, compatible with 802.11 b/g/n/a/ac/ax protocols. Wireless speed up to 1800Mbps.
- OFDMA to increase the capacity and efficiency of network in order to connect more devices without slowing down your Wi-Fi.
- TWT (Target Wake Time) technology reduces the power consumption of the device to prolong battery life.
- MU-MIMO technology allows simultaneous transmission of data to multiple devices
- Support WPA3 wireless security protocol to ensure network security.
- Support downlink 9.953Gbps, uplink 2.488Gbps, transmission distance up to 20Km.
- Supports OMCI and OAM remote management, including configuration, alarming, performance monitoring, fault isolation and security management.
- Friendly Web GUI.
- Support IPv4/IPv6 IGMP Snooping and MLD Snooping.
- Supports 128-bit encryption for uplink and downlink AES links.
- The maximum splitting ratio supported is 1:156.
- Support SIP/H.248 voice protocol.

Technical Specifications

General	
Protocol standard	ITU-TG.987.x/988
Distance	20Km Max
Rate	Uplink rate 2.488Gbps Downlink rate 9.953Gbps
Wireless protocol	IEEE802.11b/g/n/a/ac/ax
Signal rate	5GHz: up to 1201Mbps 2.4GHz: up to 574Mbps
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 15dBm@MCS11 VHT80 11ax **2.4G** 15dBm@MCS11 VHT40 16dBm@MCS7 HT40 16dBm@MCS7 HT20 17dBm@OFDM 54M 19dBm@CCK11M
PON transmit power	2~6dBm(1270nm)
PON receiving sensitivity	<-29dBm (1577nm)
Wireless network security	WEP，WPA/WPA2， WPA-PSK/ WPA2-PSK， WPA3 encryption
Power consumption	≤ 15 W
Hardware	
Interface	SC/UPC or SC/APC(optional) 4*10/100/1000Mbps LAN port 1*FXS 1*USB3.0
Button	WiFi button，WPS/ Reset button
Power	DC 12V 1.5A or 2A
Antenna	2*5dBi gain antenna
Dimension(W×D×H)	222*110*41mm
Environment	

Operating temperature	-5℃~50℃
Storage temperature	-40℃~70℃
Operating humidity	10%~90% non-condensation
Storage humidity	5%~95% non-condensation
Authentication	3C, CE, RoHS
Software	
WAN type	Dynamic IP/Static IP/PPPoE
DHCP	Server,Client, DHCP Client List,Address Reservation
Quality of service	WMM,Bandwidth Control
Forward port	Virtual Server,Port Triggering,UPnP,DMZ
VLAN	802.1Q tag VLAN、VLAN Transparent mode/VLAN Conversion mode/VLAN Relay mode
Access control	Parental Controls, Local Administrative Controls, Host Lists, Access Schedules, Rules 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

Product Configuration

- Upstream 1*10G GPON SC optical port
- Dual-band 2.4GHz+5GHz, speed up to 1800 Mbps
- Support bridging, routing mode or mixed working mode
- 4 Gigabit Ethernet ports
- External DC12V power supply