**WiFi 6**

# AX3000

| 4 x Mayor Capacidad | 3 x Mayor Velocidad | 1024-QAM | HE160 Duplica el ancho de la banda | Compatible con versiones WIFI anteriores |
| --- | --- | --- | --- | --- |



**Xonetx** ®

**XCW502 WIFI6 AX3000**

## 1.1  Product Description

The CONETX-XCW502 WIFI6 AX3000 GPON ONU for advanced triple-play deployments. The compact package contains many features including QoS, multicast video support. Suitable for high-density wireless access and high-capacity wireless services, it's ideal for triple-play service deployments in FTTH application. Industry standard SIP voice signaling provides reliable voice services.

The Ethernet ports can be separated into different services allowing the configuration of dedicated ports for IP video and data. Compliant with standard OMCI definition, CONETX-XCW502 WIFI6 AX3000 is manageable from remote side and supports the full range FCAPS functions including supervision, monitoring and maintenance. Suitable for high-density wireless access and high-capacity wireless services

## 1.2  Functional Feature

- Supports 802.11ax, Compatible with 802.11 b/g/n/ac products
- Dual band for combined wireless speeds of up to 3000Mbps at 2.4GHz and 5GHz band
- Contains 4GE Ethernet interface
- High bandwidth: 1024-QAM high order modulation, maximum support 160MHz bandwidth, speed nearly 3 times faster;
- High concurrency: intelligent frequency division, multiple devices concurrent connection, 4 times the capacity increase;
- Low delay: Multiple devices are concurrent, greatly reducing queuing and delay by 2/3;
- Supports OMCI (ONT Management Control Interface) & TR remote management
- Easy Setup for quick & hassle free installation

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## 1.3 Specifications

| Item | 4*1GE+AXWIFI+CATV |
|---|---|
| Chipset | RTL 9607CDQ+RTL 8832CR+RTL 8192XBR |
| DDR | 256MByte |
| Flash | 128MByte |
| GPON interface | 1×SC/APC XPON port<br>Complies with ITUG.984.2 ClassB+(GPON) and IEEE 802.3ah PX20+ (EPON)<br>Transmitting optical power: 0~+4dBm<br>Transmission distance: 20KM<br>Wavelengths:TX 1310nm ,RX 1490nm<br>Data rate: upstream 1.25Gbps /downstream 2.5Gbps(GPON)<br>upstream 1.25Gbps /downstream 1.25Gbps(EPON)<br>Receiving sensitivity: ≤ -28dBm(GPON)<br>≤ -27dBm(EPON) |
| Ethernet Interface | 4*GE  RJ45 interfaces<br>802.3× Flow control<br>Automatic address learning and aging |
| USB | 2*USB2.0 |
| Wireless | 4*External antenna(5dBi)<br>IEEE 802.11b/g/n/ac/ax compliant<br>Air interface rate:<br>2.4 GHz(574Mbps)<br>5.8GHz(2402Mbps) |
| CATV Interface | Female F-Type Connector<br>RX Optical power：-15~ +2dBm<br>Wavelength：1550nm<br>Frequency Range：47~1000 MHz<br>Impedance: 75Ω<br>Output level：≤82dBuV<br>MER：≥32dB |
| Power | DC 12V/2A |
| Dimension | 23*14*3cm |
| Operating condition | Working temperature: 0 ～ 50 ℃<br>Operating humidity: 10% to 90% (non-condensing) |
| Storing condition | Storage temperature: -40 ～ 85 ℃<br>Storage humidity: 5% to 95% (non-condensing) |

## 1.4  Software Features

| | |
|---|---|
| **GPON Standards** | Compliance with ITU-T G.984.1/2/3/4<br>Flexible mapping between GEM Ports and T-CONT<br>Activation with automatic discovered SN and password in conformance with ITU-T G.984.3<br>authentication by serial number (SN)and by password<br>Dying gasp |
| **Wireless** | Compliance with IEEE 802.11 b/g/n/ax (2.4 G).<br>Compliance with IEEE 802.11 a/n/ac/ax (5G).<br>MU-MIMO in 2.4Ghz.<br>MU-MIMO in 5Ghz.<br>WMM/Multiple SSIDs / WPS capability.<br>Multic SSIDs<br>WPA/ WPA2 /WPA3 security<br>TKIP, AES, and AES+TKIP encryption modes<br>Band Steering<br>Easy Mesh |
| **L3** | PPPoE/Static IP/DHCP<br>NAT/NAPT<br>Port forwarding<br>ALG, UPnP.<br>DDNS/DNS server/DNS client.<br>IPv6/IPv4 dual stack,and Ds-Lite<br>Static/Default routes<br>Multiple services on one WAN port |
| **L2** | 802.1Q tag VLAN, VLAN translation/ trunk mode |
| **QoS** | Flexible packet classification<br>802.1p priority<br>SP/WRR<br>Rate limitation |
| **Multicast** | IGMP v2 /v3 snooping/proxy<br>MLD v1/v2 snooping<br>fast leave |
| **Firewall Security** | DoS attack defending<br>Filtering base on MAC/IP/URL address<br>Parental Control<br>Access control |
| **Management** | OMCI/Web UI/TRO69 |

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