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Wi Fi 6

AX3000

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

Conetx®

CONETX-GAX4G1C WIFI6 AX3000

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xPON 4GE + WIFI (AX) + CATV

Overview

- CONETX-GAX4G1C WIFI6 AX3000 GPON ONU is a broadband access device specially designed to meet the needs of fixed network operators for FTTH and triple play services.
- CONETX-GAX4G1C WIFI6 AX3000 GPON ONU is based on a high-performance chip solution, supports XPON dual-mode technology (EPON and GPON), provides carrier-grade FTTH application data services, and supports OAM/OMCI management.
- CONETX-GAX4G1C WIFI6 AX3000 GPON ONU supports layer 2/layer 3 functions such as IEEE802.11b/g/n/ac/ax WiFi 6 technology, using 4x4 MIMO, with a maximum rate of up to 3000Mbps.
- CONETX-GAX4G1C WIFI6 AX3000 GPON ONU are fully compliant with technical regulations such as ITU-T G.984.x and IEEE802.3ah.
- CONETX-GAX4G1C WIFI6 AX3000 GPON ONU are designed by ZTE chipset ZX279128S.

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CONETX-GAX4G1C WIFI6 AX3000

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Feature

- Supports Dual Mode (can access GPON/EPON OLT).
- Comply with GPON G.984/G.988 standard and IEEE802.3ah.
- Support CATV interface for Video Service and remote control by Major OLT
- Support 802.11 b/g/a/n/ac/ax, 802.11ax WIFI6(4x4MIMO) function and Multiple SSID
- Support NAT, Firewall function.
- Support Flow & Storm Control , Loop Detection, Port Forwarding and Loop-Detect
- Support power-off alarm function ,easy for link problem detection
- Support port mode of VLAN configuration
- Support LAN IP and DHCP Server configuration
- Support TR069 Remote Configuration and WEB Management
- Support Route PPPoE/IPoE/DHCP/Static IP and Bridge mixed mode
- Support IPv4/IPv6 dual stack
- Support IGMP transparent/snooping/proxy
- Support ACL and SNMP to configure data packet filter flexibly
- Compatible with popular OLT(HW, ZTE, FiberHome,...),supports OAM/OMCI management.

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CONETX-GAX4G1C WIFI6 AX3000

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Specification

Technical Item	Details
PON interface	1 G/EPON port(EPON PX20+ and GPON Class B+) Upstream: 1310nm; Downstream: 1490nm single mode，SC/APC connector Receiving sensitivity: ≤-28dBm Transmitting optical power: 0~+4dBm Overload optical power: -3dBm(EPON) or - 8dBm(GPON) Transmission distance: 20KM
LAN interface	4 x 10/100/1000Mbps auto adaptive Ethernet interfaces Full/Half, RJ45 connector
WIFI Interface	Compliant with IEEE802.11b/g/n/ac/ax 2.4GHz Operating frequency: 2.400-2.483GHz 5.0GHz Operating frequency: 5.150-5.825GHz Support 4*4MIMO, 5dBi external antenna, rate up to 3000Gbps Support: multiple SSID TX power: 11n--22dBm/11ac--24dBm
CATV Interface	2xRF, optical power : +2~-15dBm Optical reflection loss: ≥45dB Optical receiving wavelength: 1550±10nm RF frequency range: 47~1000MHz, RF output impedance: 75Ω RF output level: ≥ 80dBuV（-7dBm optical input） AGC range: +2~-7dBm/-4~-13dBm/-5~-14dBm MER: ≥32dB(-14dBm optical input), ＞35(-10dBm)
LED	17 LED,：PWR、LOS\PON、INTERNET、LAN1、LAN2、LAN3、LAN4、2.4G,、5G、WPS、USB2.0/USB3.0、 FXS1/FXS2、Normal 1 (CATV1)/Normal 2(CATV2)
Push-Button	3, for Function of Power on/off, Reset, WPS
Operating condition	Temperature : 0℃～+50℃ Humidity :10%～90%（non-condensing）
Storing Condition	Temperature : -40℃～+60℃ Humidity :10%～90%（non-condensing）
Power supply	DC 12V/1.5A
Power Consumption	<18W
Net Weight	<0.4kg

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Panel lights and Introduction

Pilot Lamp	Status	Description
WIFI	On	The WIFI interface is up.
	Blink	The WIFI interface is sending or/and receiving data (ACT).
	Off	The WIFI interface is down.
WPS	Blink	The WIFI interface is securely establishing a connection.
	Off	The WIFI interface does not establish a secure connection.
INTERNET	On	The light is on when the device business configuration is normal.
	Off	The light does not light up when the device service configuration is blocked.
PWR	On	The device is powered up.
	Off	The device is powered down.
LOS	Blink	The device doses not receive optical signals or with low signals.
	Off	The device has received optical signal.
PON	On	The device has registered to the PON system.
	Blink	The device is registering the PON system.
	Off	The device registration is incorrect.
LAN1~LAN4	On	Port (LANx) is connected properly (LINK).
	Blink	Port (LANx) is sending or/and receiving data (ACT).
	Off	Port (LANx) connection exception or not connected.
USB	On	USB device communication detected
	Off	No USB device detected or communicating
Normal (CATV)	On	Input optical power is between -15dBm and 2dBm
	Off	Input optical power is higher than 2dBm or lower than -15dBm

Application

- Typical Solution：FTTO(Office)、FTTB(Building)、FTTH(Home)
- Typical Service：Broadband Internet access, IPTV, VOD, video surveillance, CATV, VoIP etc.