ComX Computers
Product Specification Sheet

UL-GP1200

UltraLAN UL-GP1200 AC1200 xPON ONU Wireless Router

Product Overview

UltraLAN UL-GP1200 AC1200 xPON ONU Wireless Router, Supports GPON and gepon Dual-Mode Operation with auto-detection, 1x xPON Fiber Interface compatible with EPON PX20+ and GPON Class B+, 4x Gigabit Ethernet RJ45 LAN Ports for Wired connectivity, Provides Dual-Band Wi-Fi 5 (AC1200) at 2.4GHz and 5GHz frequencies, Equipped with 4x 5dBi external antennas supporting 2x2 MIMO on both bands, Features EasyMesh functionality for extended Network coverage, 1x POTS voice Port with SIP/ims SIP support, Includes 1x USB 2.0 Port for Peripheral connectivity











Specifications

Overview Summary:

Upgrade your home or small office internet connection with the UltraLAN UL-GP1200, a versatile AC1200 XPON ONU wireless router built specifically for modern fiber-to-the-home (FTTH) installations in South Africa. This all-in-one device seamlessly supports both GPON and GEPON networks, automatically detecting your provider's setup to ensure reliable Gigabit speeds, robust dual-band Wi-Fi coverage, and integrated voice services from a single unit.

Designed for easy deployment, the UL-GP1200 features four Gigabit LAN ports, advanced security protocols including WPA3, and support for IPv6, making it an ideal choice for tech-savvy users seeking performance without complexity. Secure your high-speed internet today by purchasing this reliable networking solution now to experience seamless connectivity throughout your premises.

Performance tier: High

Uses: Home broadband, small business networks, FTTH installations, voice over IP (VoIP), dual-band wireless coverage, network security

Overview:

The UltraLAN UL-GP1200 is a versatile AC1200 XPON ONU wireless router engineered specifically for FTTH fiber broadband installations where users require a single device to handle fiber access, Gigabit LAN connectivity, high-speed Wi-Fi, and voice services. Designed with flexibility in mind, the unit supports both GPON and GEPON dual-mode operations, allowing it to automatically detect and switch between network modes based on the connected OLT requirements. This adaptability makes it an ideal solution for service providers and installers managing diverse XPON access networks across residential and small business environments.

Description:

This all-in-one customer premises equipment delivers robust connectivity with its dual-band AC1200 Wi-Fi capability, featuring four external 5dBi antennas to ensure comprehensive coverage throughout your home or office. The device combines a single XPON fiber interface with four Gigabit Ethernet LAN ports and one POTS voice port, supporting seamless integration for both internet data and telephone services. With support for bridge, routing, and mixed modes alongside advanced management protocols like TR069 and OMCI/OAM, the UL-GP1200 ensures reliable performance, enhanced security through WPA3 authentication, and efficient network traffic handling via QoS and VLAN features.

Features:

Wireless Performance and Coverage
Experience fast and stable internet speeds with dual-band Wi-Fi technology that utilizes 2x2 MIMO on both the 2.4GHz and 5GHz bands to minimize interference and maximize throughput. The inclusion of four high-gain external antennas significantly improves signal strength, ensuring reliable connections even in larger spaces or areas with obstacles. The router supports IEEE 802.11b/g/n/ac standards and includes EasyMesh functionality for expanding network coverage seamlessly.

- Dual-band AC1200 Wi-Fi performance
- 2.4GHz and 5GHz 2x2 MIMO technology
- Four 5dBi external antennas for extended range
- Support for multiple SSIDs and EasyMesh

Beyond wireless capabilities, the UltraLAN UL-GP1200 offers extensive wired connectivity options. It is equipped with four Gigabit Ethernet LAN ports that support auto-negotiation, allowing you to connect multiple devices like computers, gaming consoles, or smart TVs at full speed. The inclusion of a POTS voice port enables traditional telephone service via SIP/IMS protocols, making this unit a complete communication hub.

Network management is streamlined through various access methods including web interfaces, Telnet, CLI, and remote management standards like TR069 . Security is prioritized with hardware firewall functions and robust Wi-Fi encryption options such as WPA/WPA2/WPA3 . The device also handles complex network configurations with ease, supporting IPv4/IPv6 dual-stack, PPPoE, DHCP, static routing, VLAN tagging, multicast, and hardware NAT.

The unit operates reliably within a temperature range of -10 to +45 degrees Celsius and can withstand humidity levels between 10% and 90% without condensation. Powered by an external DC 12V adapter, the device maintains a compact desktop form factor measuring 246 x 157 x 38 mm and weighs approximately 0.9 kg.

Technical Specifications:

- Sku: UL-GP1200
- PON Ports: 1 (Supports GPON Class B+ and EPON PX20+)
- Ethernet Ports: 4 x Gigabit RJ45
- Voice Interface: 1 x POTS (RJ11) supporting SIP/IMS
- USB Port: 1 x USB 2.0
- Wi-Fi Standards: IEEE 802.11b/g/n/ac
- Management Protocols: Web, Telnet, CLI, OMCI/OAM, TR-069
- Security: Firewall, WPA/WPA2/WPA3
- Power Input: DC 12V/1A external adapter

What's in the box

- UltraLAN UL-GP1200 AC1200 XPON ONU Wireless Router
- External 12V DC power adapter
- Ethernet cable
- User manual and installation guide

Specifications:

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Specifications

Product Code	UL-GP1200
Key specifications	
SKU	UL-GP1200
Role	ONT / ONU
PON ports	1
LAN ports	4
Wi-Fi	Wi-Fi 5
Details	
Product type	AC1200 XPON ONU wireless router
PON port details	1 x XPON
Ethernet ports	4 x Gigabit Ethernet RJ45
Wi-Fi standard	IEEE 802.11b/g/n/ac, dual band 2.4 GHz + 5 GHz
PON standards	GPON / GEPON dual mode, auto-detects the OLT mode , SN and LOID + password registration
USB	1 x USB 2.0
Management	Web, Telnet, CLI, OMCI/OAM and TR-069
Wi-Fi antennas	4 x 5 dBi external , 2.4 GHz 2 x 2 MIMO + 5 GHz 2 x 2 MIMO
Features	Multiple SSIDs, EasyMesh
Voice interface	1 x POTS (RJ11), SIP / IMS SIP
Layer 2 capabilities	VLAN, QoS, multicast
Software mode	Bridge, router or mixed bridge/router
Core services	PPPoE, DHCP, static routing, hardware NAT, IPv4/IPv6 dual stack
Security features	Firewall , Wi-Fi WPA / WPA2 / WPA3
Wireless data rate	AC1200
Buttons	Reset, WPS
Operating conditions	Operating temperature: -10 ~ +45degreesC
	Operating humidity: 10 ~ 90% (non-condensing)
Power adaptor	DC 12V/1A, external AC-DC power adaptor
Interfaces	XPON+4 x GE+USB2.0+POTS+WiFi AC1200
	(POTS,USB Optional)

PON interface	1XPON port(EPON PX20+ and GPON Class B+)
	PON standard: GEPON IEEE802.3ah, GPON ITU-T G.984
	SC single mode, SC/UPC or SC/APC connector
	TX optical power: 0~4dBm(EPON) or 0.5~5dBm(GPON)
	RX sensitivity: EPON: -27dBm, GPON: -28dBm
	Overload optical power: -3dBm(EPON) or - 8dBm(GPON)
	Transmission distance: 20KM
	Wavelength: TX 1310nm, RX1490nm
LAN interface	4 x GE Auto-negotiation RJ45 ports
WiFi interface	Compliant with IEEE802.11b/g/n/ac
	WiFi: 2.4GHz 2 x 2, 5.8GHz 2 x 2 MIMO
	4*5dBi external antennas
	Multiple SSID
	Interface Parameter
	Product Parameters
	Shenzhen
Power	
Power input	12 V DC 1 A external adapter
Physical and environment	
Form factor	Desktop
Operating temperature	-10 to +45 degreesC
Operating humidity	10 to 90% (non-condensing)
Dimensions	246 x 157 x 38 mm
Weight	0.9 kg

FAQ

Does this router work with both GPON and EPON fiber networks?
Yes, the UltraLAN UL-GP1200 supports dual-mode operation for both GPON and GEPON. It features an auto-detect function that automatically identifies the connected OLT mode and switches between them as required.

What types of ports are available on this device?
The unit includes 1 x XPON fiber interface, 4 x Gigabit Ethernet LAN RJ45 ports, 1 x POTS voice port for standard telephones, and a USB 2.0 port. It also features four external antennas for wireless connectivity.

Can I use this router if my internet provider uses bridge mode?
Yes, the UltraLAN UL-GP1200 is flexible enough to support bridge mode, routing mode, or a mixed bridge/router configuration, allowing it to adapt to various network setups and ISP requirements.

Does this device support voice over IP (VoIP) services?
Yes, the router includes a POTS interface with SIP / IMS SIP voice support, enabling you to connect standard analog phones for voice connectivity alongside your broadband internet.

Is the Wi-Fi signal strong enough for larger areas?
The AC1200 XPON ONU is equipped with four external 5dBi antennas and uses dual-band 2x2 MIMO technology on both 2.4GHz and 5GHz frequencies to improve wireless coverage and performance.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/UL-GP1200-UltraLAN-UL-GP1200-AC1200-xPON-ONU-Wireless-Router-p-341541.php

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