

CD-GP1200

Cudy GP1200 Dual Band WiFi 5 xPON Router

Product Overview

Cudy GP1200 Dual Band AC1200 WiFi 5 xPON Router, TX 1310 nm Wavelength, RX 1490 nm Wavelength, 20 km Max transmission distance, 867 Mbps @ 5GHz Wi-Fi Speed, 300 Mbps @ 2.4GHz Wi-Fi Speed, 2x fixed Wi-Fi antennas, 1x SC/APC Port, 4x Gigabit RJ45 Ports



Specifications

Overview Summary:

The Cudy GP1200 is an AC1200 xPON WiFi 5 router designed for reliable fibre internet connectivity. With GPON and EPON support, dual-band WiFi and four Gigabit Ethernet ports, it is suitable for home and small-office networks.

Buy the Cudy GP1200 in South Africa for a dependable fibre networking solution with flexible wired and wireless connectivity. Shop now for fast dual-band WiFi and xPON support.

Performance tier:Mid-range

Uses:Fibre internet, home networking, small offices, FTTx deployments, wired and wireless connectivity

Overview:**Cudy GP1200 AC1200 xPON WiFi Router**

The Cudy GP1200 is a dual-band AC1200 xPON WiFi router designed for reliable FTTx network deployments. It supports GPON and EPON dual modes, along with CWMP, OMCI, 4-queue QoS and EasyMesh for flexible network management and improved wireless coverage.

Description:

The Cudy GP1200 combines xPON fibre connectivity with dual-band WiFi 5 and Gigabit Ethernet in a compact network solution. Its dual-core 1.15 GHz processor provides the processing power needed for everyday broadband services, while the 5 GHz wireless band delivers speeds of up to 867 Mbps and the 2.4 GHz band reaches up to 300 Mbps.

Designed for fibre network installations, the GP1200 supports both GPON and EPON technologies, making it suitable for a range of FTTx deployments. Its SC/APC fibre port connects directly to compatible optical networks, while four Gigabit RJ45 ports provide wired connectivity for PCs, smart TVs, access points, switches and other network devices.

Features:**Cudy GP1200 AC1200 WiFi Performance**

The GP1200 uses 4-stream dual-band WiFi 5 to provide wireless connectivity across both the 2.4 GHz and 5 GHz bands. The 5 GHz band offers up to 867 Mbps, while the 2.4 GHz band supports speeds of up to 300 Mbps. This makes the router suitable for everyday browsing, streaming, online applications and connected home devices.

Key wireless specifications include:

- Dual-band WiFi 5
- Up to 867 Mbps at 5 GHz
- Up to 300 Mbps at 2.4 GHz
- 4-stream wireless design
- 2 fixed WiFi antennas
- EasyMesh support for expanded wireless coverage

GPON and EPON Fibre Connectivity

As an xPON router, the Cudy GP1200 supports both GPON and EPON operating modes. It can provide maximum line rates of up to 2.48 Gbps for GPON and 1.25 Gbps for EPON, helping it accommodate different fibre access network requirements.

The router includes one SC/APC port and supports a maximum transmission distance of up to 20 km under suitable network conditions. The optical interface uses a TX wavelength of 1310 nm and an RX wavelength of 1490 nm.

Gigabit Ethernet for Wired Devices

Four Gigabit RJ45 Ethernet ports allow the Cudy GP1200 to connect multiple wired devices directly to the network. Gigabit connectivity is useful for systems that require consistent local network performance, including desktop PCs, network switches, smart TVs, gaming systems and other Ethernet-enabled equipment.

The main wired and optical connections include:

- 1x SC/APC fibre port
- 4x Gigabit RJ45 Ethernet ports
- GPON and EPON dual-mode support
- Up to 20 km maximum transmission distance

Network Management and QoS

The GP1200 is designed with several management and service functions intended for FTTx deployments. Support for OMCI, OAM, TR069, TR098 and TR181 provides compatibility with common provisioning and management environments.

Its 4-queue QoS support can help manage traffic priorities across the network, while CWMP support enables remote device management where supported by the service provider or network environment.

EasyMesh for Wider WiFi Coverage

EasyMesh support allows compatible networking equipment to be used to create a more extensive wireless network. This can help reduce WiFi dead zones and provide more consistent coverage across larger homes, offices or other installations when compatible mesh devices are added.

Cudy GP1200 Technical Details

- Model: Cudy GP1200 1.0
- Part Number / SKU: CD-GP1200
- Processor: 1.15 GHz dual-core CPU
- Wireless standard: WiFi 5
- Wireless speed: AC1200
- 5 GHz speed: Up to 867 Mbps
- 2.4 GHz speed: Up to 300 Mbps
- WiFi antennas: 2 fixed antennas
- Fibre interface: 1x SC/APC
- Ethernet ports: 4x Gigabit RJ45
- GPON maximum rate: Up to 2.48 Gbps
- EPON maximum rate: Up to 1.25 Gbps
- TX wavelength: 1310 nm
- RX wavelength: 1490 nm
- Maximum transmission distance: Up to 20 km
- Management support: OMCI, OAM, TR069, TR098 and TR181
- QoS: 4-queue QoS
- Mesh support: EasyMesh

A Practical xPON Router for Fibre Networks

The Cudy GP1200 is a versatile option for fibre-based broadband installations that require both optical network access and integrated WiFi. With GPON and EPON support, AC1200 dual-band WiFi, four Gigabit Ethernet ports and EasyMesh capability, it provides a practical combination of fibre connectivity, wireless networking and wired device support.

For FTTx installations where compatibility, flexible management and reliable local connectivity are important, the Cudy GP1200 offers a well-rounded network solution.

Specifications:

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Specifications	
Product Code	CD-GP1200
Model Version	
Model Version	GP1200 1.0
CPU	
Chipset	RTL9607C

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Product Specification Sheet

CPU Details	1.15 GHz Dual-Core
Memory/Storage	
Flash/ROM	128 MB (1 Gbit) NAND
DDR/RAM	256 MB (2 Gbit) DDR3
xPON	
Protocols	GPON (ITU G. 984 standard, Class B+)
	EPON (802.3ah)
Speed	GPON: 2.488 Gbps Downstream / 1.244 Gbps Upstream
	EPON: 1.25 Gbps Downstream / Upstream
Wavelength	TX: 1310 nm
	RX: 1490 nm
Max Transmission Distance	20 km
Wireless	
5 GHz Wi-Fi Speed	867 Mbps
2.4 GHz Wi-Fi Speed	300 Mbps
5 GHz Wi-Fi Streams	2T2R (2x2 MIMO)
2.4 GHz Wi-Fi Streams	2T2R (2x2 MIMO)
Wi-Fi Antennas	2x Fixed
5 GHz Antenna Gain Max	5dBi
2.4 GHz Antenna Gain Max	5dBi
Beamforming	True
Range Performance	Max: 170 m (558 ft)
	Indoor WiFi range varies depending on the layout and wall materials. See Wall Performance spec for placement suggestions.
Wall Performance	One wooden walls with thickness < 10 cm (4")
	One concrete wall with thickness < 20 cm (7")
Interfaces	
SC/APC Port	1
Gigabit RJ45 Ports	4
USB-A 2.0 Ports	Optional for ISP Order

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Product Specification Sheet

LED	Power
	PON
	LOS
	Internet
	2.4 GHz Wi-Fi
	5 GHz Wi-Fi
	WPS
	LAN
Physical Buttons	Power On/Off Button
	Reset Button
	WPS Button
	Wi-Fi On/Off Button
Power Input	DC Jack
Power	
Power Methods	DC
DC	12V 1A
Power Adapter	Input: 100 ~ 240 V, 50/60 Hz AC
	Output: 12V 1A DC
Reliability	
Environment	Operating Temperature: 0 degreesC ~ 40 degreesC (32 degreesF ~104 degreesF)
	Storage Temperature: -40 degreesC ~ 70 degreesC (-40 degreesF ~ 158 degreesF)
	Humidity: 10% ~ 90% non-condensing
	Storage Humidity: 5% ~ 95% non-condensing
Certifications	
Certifications	FCC, CE
Mechanical	
Installation	Desktop
	Wall-mount
Dimension	173x123.8x33 mm
	6.81x4.87x1.3 inches
Product Weight	288 g (10.16 oz.)
Package Content	
Package Content	GP1200
	Power Adapter
	Ethernet Cable
	Installation Guide
Ordering Information	

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Product Specification Sheet

Retail Package Dimension	304x268x54 mm
	11.97x10.55x2.13 inches
Retail Package Weight	EU / US: 681 g (24.02 oz.)
Carton Net Weight	EU / US: 13.6 kg (29.98 lbs)
Carton Gross Weight	EU / US: 15.3 kg (33.73 lbs)
Units per Carton	20
Carton Dimension	55.6x55.5x32.5 cm
	21.89x21.85x12.8 inches

Product Information Online

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

Product page: <https://www.comx.co.za/CD-GP1200-Cudy-GP1200-Dual-Band-WiFi-5-xPON-Router-Buy-p-339620.php>

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