ComX Computers
Product Specification Sheet

RE3000

Cudy AX3000 WiFi Range Extender - Wall Plug

Product Overview

Cudy RE3000 AX3000 WiFi Range Extender - Wall Plug, 5GHz up to 2402 Mbps, 2.4GHz up to 574 Mbps, 1x Gigabit RJ45 Ports, 2x external antennas, 1x internal antennas











Specifications

About this product

The Cudy RE3000 AX3000 Wi-Fi Range Extender is a high-performance wall-plug device that extends Wi-Fi 6 coverage, delivering speeds up to 2402 Mbps on 5 GHz and 574 Mbps on 2.4 GHz. Equipped with dual external antennas, an internal antenna, and a Gigabit RJ45 port, it enhances network performance for homes and offices with seamless connectivity and efficient data transmission.

Overview Summary

The Cudy RE3000 AX3000 Gigabit WiFi6 Range Extender enhances your home network by extending WiFi coverage and improving performance. With WiFi 6 technology, it delivers faster speeds and increased capacity, ensuring a seamless internet experience across multiple devices.

Performance tier:AX3000

Uses: Home networking, streaming, gaming, smart home integration, office setups

Overview

A range extender featuring high-capacity AX3000 WiFi 6 and a Gigabit Ethernet port. Press WPS buttons to expand existing Wi-Fi instantly.

- Extremely Fast AX3000 Wi-Fi 6 Technology
- 1.3GHz Dual Core Cortex-A53 Processor
- OFDMA, Beamforming and MU-MIMO Supported
- Work with any standard router or gateway
- Easily expand wireless coverage at a push of the WPS button
- Gigabit Ethernet ports to connect wired devices
- External antennas for faster and more reliable Wi-Fi
- 3-in-1 WiFi Extender / Access Point / Add-On mesh
- Easy Setup Assistant with multi-language support

Description

The Cudy RE3000 AX3000 Gigabit WiFi6 Range Extender is designed to enhance your existing WiFi network by extending coverage and improving performance. Equipped with the latest WiFi 6 technology, it offers faster speeds and increased capacity, ensuring a seamless internet experience across multiple devices. The dual-band support allows for optimal performance on both 2.4GHz and 5GHz frequencies, while the Gigabit Ethernet port provides the option for wired connections. The MU-MIMO and OFDMA technologies enable efficient data transmission, reducing latency and improving overall network efficiency. With beamforming technology, the extender directs the WiFi signal towards connected devices, enhancing signal strength and coverage. The easy setup process, facilitated by the WPS button, ensures a hassle-free installation experience. The compact wall-plug design allows for convenient placement in any room, making it an ideal solution for homes and offices seeking to improve their WiFi coverage and performance.

Features

- Works with Any Wi-Fi Router
- Dual-Band Wi-Fi 6
- 1x Gigabit Ethernet Port
- 50 Connected Devices

- Cudy Mesh Satellite
- Multi-Band Simultaneous Backhaul
- Ethernet Backhaul

Powerful CPU Transmits Data in No Time
The new Wi-Fi 6 chip with a 4-nm made process delivers amazing powers and an impressive efficiency bump, enabling RE3000 to handle intensive transmission tasks such as online gaming streams and 4K live feed and maintain responsive.

Faster Wi-Fi 6 Eliminates Throttling
Equipped with Wi-Fi 6, RE3000 boasts the highest 160 MHz bandwidth and 1024-QAM to reach up to 3 Gbps speeds, which is more than 2.5X faster than the last-gen AC 2x2 RE. This high throughput allows massive amount data including your 4K video streaming hopping to end-devices without throttleing.

Direction Detected, Signal Boosted
Beamforming detects the direction of connected devices and forms a focused signal towards them to improve coverage.

Connect More, Stay Fast
The upgraded Wi-Fi 6 standard features downlink and uplink MU-MIMO and OFDMA, transmitting a massive amount of data for multiple devices in no time. This reduces the latency and enhances Wi-Fi capacity, enabling more immersive online gaming and smoother video calling.

Share Internet through Wired Connections
A Gigabit Ethernet provides 10x the speed of the ordinary non-gigabit one. This enables turning existing wired connections into a Wi-Fi hotspot. You can also use it as a LAN port to share internet through wired connection to TV in your bedroom or printer which lacks Wi-Fi module.

Encrypts Wireless to the Best Level
The latest Wi-Fi security protocol, WPA3, brings new capabilities to improve cybersecurity in personal networks. More secure encryption in Wi-Fi password safety and enhanced protection against brute-force attacks combine to safeguard your home Wi-Fi.

What's in the Box

- Cudy RE3000 Range Extender
- Quick Installation Guide
- Warranty Card

FAQ

Q: What is the maximum range of the RE3000?

A: Theoretical maximum range is up to 150 m (492 ft) in open environments. Indoor coverage will be reduced by walls, furniture, and other obstacles.

Q: How do walls affect coverage?

A: Two wooden walls (

Q: How should I place the extender for best coverage?

A: Place the RE3000 within a reasonable distance from your main router, ideally within 6 m (20 ft) for optimal Wi-Fi performance.

Q: How many devices can connect simultaneously?

A: Up to 50 devices can connect, but network performance may decrease with a large number of active devices.

Q: Can the RE3000 be used as a LAN access point?

A: Yes, the Gigabit Ethernet port allows wired devices such as TVs or printers to connect to the network.

Specifications:

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Specifications	
Product Code	CUDY-RE3000
CPU	
CPU Details	1.3 GHz Dual-Core, ARM Cortex-A53
Memory/Storage	
Flash/ROM	16 MB (128 Mbit) NOR
DDR/RAM	256 MB (2 Gbit) DDR3
Wireless	
5 GHz Wi-Fi Speed	2402 Mbps
2.4 GHz Wi-Fi Speed	574 Mbps
5 GHz Wi-Fi Streams	3T3R (3x3 MIMO)
2.4 GHz Wi-Fi Streams	2T2R (2x2 MIMO)
Wi-Fi Antennas	2x Fixed, 1 x Internal
2.4 GHz Antenna Gain Max	2.1dBi
5 GHz Antenna Gain Max	3.9dBi
FEM or PA/LNA	5 GHz: 3x Internal
	2.4 GHz: 2x Internal
Range Performance	Max: 150 m (492 ft)
	Tested in open-space environments with minimal interference. Actual WiFi range may vary depending on layout and wall materials. Refer to the Wall Performance specifications for placement suggestions.
Wall Performance	Two wooden walls with thickness < 10 cm (4")
	One concrete wall with thickness < 20 cm (7")
Interfaces	
Gigabit RJ45 Ports	1
LED	Signal Strength
	WPS
	Power
Physical Buttons	WPS Button
	Reset Button
Power Input	AC Plug

Power Input Note	EU, US, UK Plug are Available
Power	
Power Methods	AC
AC	100V ~ 240V
Reliability	
Environment	Operating Temperature: 0 degreesC ~ 50 degreesC (32 degreesF ~ 122 degreesF)
	Storage Temperature: -40 degreesC ~ 70 degreesC (-40 degreesF ~ 158 degreesF)
	Operating Humidity: 10% ~ 90% non-condensing
	Storage Humidity: 5% ~ 90% non-condensing
Mechanical	
Install in a Daisy Chain	Recommend to install less than 3 repeaters in a wireless chain.
Installation	Plug-In-Socket
Dimension	129.6x80x48.6 mm
	5.1x3.15x1.91 inches
Product Weight	EU: 279 g (9.84 oz.)
	UK: 282 g (9.95 oz.)
	US: 276 g (9.74 oz.)

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/RE3000-Cudy-AX3000-WiFi-Range-Extender-Wall-Plug-p-290182.php

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