RE3000

CUDY RE3000 AX3000 WiFi MESH REPEATER Works with Any Wi-Fi Router, Dual-Band Wi-Fi 6, 1× Gigabit Ethernet Port, 50 Connected Devices, Cudy Mesh Satellite, Multi-Band Simultaneous Backhaul, Ethernet Backhaul

Specifications

Model	RE3000
Brand	Cudy
WIFI	WiFi6
Geni?lik	Dual band
Mesh	Mesh
Tezlik	2.4Ghz/5Ghz

KEY FEATURES

RE3000 1.0

Chipset	MT7981BA+MT7976CN
CPU Details	1.3 GHz Dual-Core, ARM Cortex-A53
Flash/ROM	16 MB (128 Mbit) NOR
DDR/RAM	256 MB (2 Gbit) DDR3
5 GHz Wi-Fi Speed	2402 Mbps
2.4 GHz Wi-Fi Speed	574 Mbps
5 GHz Wi-Fi Streams	3T3R (3×3 MIMO)
2.4 GHz Wi-Fi Streams	2T2R (2×2 MIMO)
Wi-Fi Antennas	2× Fixed, 1 × Internal
2.4 GHz Antenna Gain Max	2.1dBi
5 GHz Antenna Gain Max	3.9dBi

FEM or PA/LNA

- 5 GHz: 3× Internal
- 2.4 GHz: 2× Internal

Range Performance

Max: 150 m (492 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")

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 Methods	AC
AC	100V ~ 240V

Environment

Operating Temperature: 0 ⃞ ~ 50 ⃞ (32 ⃞ ~ 122 ⃞)

Storage Temperature: -40 ⃞ ~ 70 ⃞ (-40 ⃞ ~ 158 ⃞)

Operating Humidity: 10% ~ 90% non-condensing

Storage Humidity: 5% ~ 90% non-condensing

Grounding Methods	Three-Prong Plug

FCC, CE

Install in a Daisy Chain	Recommend to install less than 3 repeaters in a wireless chain.
Installation	Plug-In-Socket
Casing Material	Plastic

Dimension

129.6×80×48.6 mm

5.1×3.15×1.91 inches

Product Weight

- EU: 279 g (9.84 oz.)
- UK: 282 g (9.95 oz.)
- US: 276 g (9.74 oz.)

- RE3000
- Installation Guide

Retail Package Weight

- EU: 417 g (14.71 oz.)
- UK: 405 g (14.29 oz.)
- US: 422 g (14.89 oz.)

Retail Package Dimension

161×120×96 mm

6.34×4.72×3.78 inches

Units per Carton 30

Carton Net Weight

- EU: 12.5 kg (27.56 lbs)
- UK: 12.1 kg (26.68 lbs)
- US: 12.7 kg (28 lbs)

Carton Gross Weight

- EU: 13.3 kg (29.32 lbs)
- UK: 13.1 kg (28.88 lbs)
- US: 13.2 kg (29.1 lbs)

Carton Dimension

50.4×37.7×34.1 cm

19.84×14.84×13.43 inches

RE3000 1.0

Wi-Fi Standards	Wi-Fi 6
Max Wi-Fi Modulation	1024-QAM

Wi-Fi Efficiency

- OFDMA
- MU-MIMO
- BSS Color

Max Capacity	512
Recommended Client Upper Limit	50
Max Wi-Fi Channel Width	160 MHz
Wi-Fi Security	WPA/WPA2/WPA3
WPS	True

Operation Modes

- Access Point
- Range Extender

Mesh Cudy Mesh Satellite

Mesh Backhaul

- Wireless Backhaul
- Wired Backhaul

Multi-Band Backhaul	true
LED Control	ture

Local Control Method

- Config Web Page
- App Control

Remote Control Method App Control

Firmware Upgrade

- Local Update