



Model: RE300

N300

Mesh Wi-Fi Range Extender



[Datasheet](#)





Highlights

A range extender featuring 300 Mbps WiFi and an Ethernet port. Press its WPS button to expand the existing Wi-Fi instantly.

- Works with Any Wi-Fi Router
- 1× Fast Ethernet Port
- 30 Connected Devices
- Cudy Mesh Satellite
- Ethernet Backhaul

Package Content

- RE300
- Installation Guide

Hardware Specs

Memory/Storage	Flash/ROM	8 MB (64 Mbit) NOR
	DDR/RAM	64 MB (512 Mbit) DDR2
Wireless	2.4 GHz Wi-Fi Speed	300 Mbps
	2.4 GHz Wi-Fi Streams	2T2R (2×2 MIMO)
	Wi-Fi Antennas	2× Fixed
	FEM or PA/LNA	2.4 GHz: 2× Internal
	Range Performance	Max: 130 m (427 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.
Interfaces	Wall Performance	One wooden walls with thickness < 10 cm (4") One concrete wall with thickness < 10 cm (4")
	10/100 Mbps RJ45 Ports	1
	Ethernet Notes	1× LAN Port
	LED	Signal Strength
		WPS
		Power
	Physical Buttons	WPS Button
		Reset Button
	Power Input	AC Plug



Hardware Specs

Interfaces	Power Input Note	EU, US, UK plug are available on
		corresponding region versions
Power	Power Methods	AC
	AC	100V ~ 240V
Reliability	Environment	Operating Temperature: 0 °C ~ 40 °C (32 °F ~104 °F)
		Storage Temperature: -40 °C ~ 70 °C (-40 °F ~ 158 °F)
		Humidity: 10% ~ 90% non-condensing
		Storage Humidity: 5% ~ 95% non-condensing
Certifications	FCC, CE	
Mechanical	Install in a Daisy Chain	Recommend to install less than 3 repeaters in a wireless chain.
	Installation	Plug-In-Socket
	Dimension	80×60×38 mm
		3.15×2.36×1.5 inches
Ordering Information	Retail Package Dimension	74×84×107 mm
		2.91×3.31×4.21 inches
	Units per Carton	60
	Carton Dimension	40.1×36×34.6 cm
		15.79×14.17×13.62 inches

Software Specs

Wireless	Wi-Fi Standards	Wi-Fi 4
	Max Wi-Fi Modulation	64-QAM
	Max Capacity	64
	Recommended Client Upper Limit	30
	Max Wi-Fi Channel Width	40 MHz
	Wi-Fi Security	WPA/WPA2/WPA3
	WPS	True
General	Operation Modes	Access Point
		Range Extender
		Client
	Mesh	Cudy Mesh Satellite
	Mesh Backhaul	Wireless Backhaul
		Wired Backhaul
	Multi-Band Backhaul	True
System	LED Control	True
	Local Control Method	Config Web Page
		App Control
		App Control
	Remote Control Method	App Control
	Firmware Upgrade	Local Update
		App (Over the Air)
		Online Update
	Reliability	Timed Reboot
		Backup and Restore



Software Specs

Dashboard	Panel	Connected Devices			
		Host Network Status			
		Wi-Fi Status			
		LAN Status			
		System Version			
System	Diagnostic Tools	Ping			
		Traceroute			
		NSLookup			
		System Log			
	Languages	• English • Bengali • Catalan • Czech			
		• German • Greek • Spanish • French			
		• Hebrew • Italian • Croatian • Hungarian			
		• Khmer • Korean • Dutch • Japanese			
		• Russian • Slovak • Swedish • Romanian			
		• Turkish • Vietnamese • Thai • Ukrainian			
		• Polish • Norwegian • Portuguese			
		• Simplified Chinese • Traditional Chinese			
Dashboard	Charts	Mesh Topology			