ComX Computers
Product Specification Sheet

M1300 1PACK

Cudy Dual Band AC 1200Mbps Gigabit Mesh - 1 Pack

Product Overview

Cudy M1300 Dual Band AC 1200 Mbps Gigabit Mesh - 1 pack, 2x 4dBi internal antennas, 300 Mbps @ 2.4GHz, 867 Mbps @ 5.8GHz, 2x 10/100/1000 (Per Mesh point) Ethernet Ports, Cudy Operating System. (Includes 1 node, covers up to 80m2)





Specifications

About this product

The Cudy M1300 AC1200 Dual Band Mesh Wi-Fi System provides seamless whole-home coverage with dual-band speeds of up to 867 Mbps @ 5 GHz and 300 Mbps @ 2.4 GHz. It features 2 x internal omni-directional antennas, Gigabit Ethernet ports, multiple VPN client support, and dynamic DNS compatibility for reliable home and small office networks.

This is a single node pack.

Overview Summary

Product: Cudy M1300 AC1200 Dual-Band Whole Home Mesh Wi-Fi System

The M1300 series provides flexible whole-home or office Wi-Fi with high-speed dual-band connectivity. Each node uses dual-core processors and internal antennas to deliver 867 Mbps on 5 GHz and 300 Mbps on 2.4 GHz, supporting multiple devices and seamless roaming. The system integrates 1 x Gigabit WAN and 1 x Gigabit LAN port per node, allowing wired backhaul for enhanced performance.

Advanced software features include guest networks, DHCP with address reservation, NAT, VPN client support for PPTP, L2TP, OpenVPN, WireGuard, IPSec, and Zerotier, as well as compatibility with multiple DDNS providers. The kit is designed for easy setup, scalable coverage, and secure networking across homes or small offices.

Performance tier: Home / Entry-level

Uses: Whole-home Wi-Fi, streaming, smart home devices, home office VPN, web browsing

Overview:

Cudy's CD-M1300 is a single, dual band 802.11ac (WiFi 5) mesh system featuring 2x Gigabit Ethernet Ports, integrated antennas and an aggregate data rate of up to 1167Mbps. The router supports Cudy's whole home mesh system, seamless roaming and multiple VPN Client options including PPTP, L2TP, OpenVPN, WireGuard, IPSec and Zerotier. Each unit covers

up to 80m2.

Description

The Cudy M1300 AC1200 Mesh Wi-Fi System delivers whole-home connectivity with dual-core processors and 2 x internal omni-directional antennas per node. It supports IEEE 802.11a/b/g/n/ac standards on both 2.4 GHz and 5 GHz bands, offering up to 867 Mbps on 5 GHz and 300 Mbps on 2.4 GHz. The system ensures seamless roaming between nodes, so devices remain connected while moving throughout the coverage area. Each node includes 1 x Gigabit WAN and 1 x Gigabit LAN port for wired backhaul or device connections. Software features include guest networks, DHCP address reservation, NAT services, VPN client options, and dynamic DNS compatibility. Power is supplied via 12 V / 1 A adapters, and the kit supports multiple configurations ranging from 1 to 3 nodes per package, scalable up to 6 wireless or 10 wired nodes.

Features

- Dual-band AC1200 performance: 867 Mbps on 5 GHz and 300 Mbps on 2.4 GHz for streaming, browsing, and smart devices.
- Whole-home mesh coverage: Seamless roaming across multiple nodes with flexible 1/2/3-pack options.
- Internal omni-directional antennas: 2 antennas per node for unobtrusive design and reliable coverage.
- Gigabit wired connectivity: 1 x WAN and 1 x LAN port per node for Ethernet backhaul or wired devices.
- Advanced VPN support: PPTP, L2TP, OpenVPN, WireGuard, IPSec, and Zerotier client support for secure access.
- Software management: Guest networks, DHCP with address reservation, NAT, and dynamic DNS support for flexible configuration.
- Expandable system: Supports up to 6 Wi-Fi nodes or 10 Ethernet nodes for larger homes or offices.
- Power efficiency: External 12 V / 1 A adapters included per node.

What's in the Box

- M1300 AC1200 Mesh Wi-Fi nodes (1 / 2 / 3 pack depending on configuration)
- Power adapters (12 V / 1 A per node)
- RJ45 Ethernet cable
- Quick installation guide

FAQ

Q: How much area does each M1300 unit cover?

A: A single node covers approximately 80 m2. Two nodes cover 160 m2, and three nodes cover 220 m2. Each additional Wi-Fi unit extends coverage by 70-80 m2, up to 6 wireless units or 10 wired nodes.

Q: How many devices can connect to the M1300 system?

A: Maximum capacity is 128 devices, with a recommended upper limit of 50 devices for optimal performance.

Q: What is the maximum number of mesh nodes supported?

A: The system supports up to 6 Wi-Fi nodes wirelessly or 10 nodes via Ethernet backhaul, depending on connection type.

Q: What is the difference between wireless and wired mesh connections?

A: Wireless nodes pass the signal from one node to the next, which can reduce bandwidth with multiple hops. Wired Ethernet connections create a dedicated backhaul for better performance and higher throughput.

Q: What are the recommendations for expanding coverage?

A: For an all-wireless setup, it is recommended to use 3-4 nodes to maintain optimal performance. For wired Ethernet backhaul setups, up to 10 nodes can be connected for very large homes or office spaces.

Q: Which VPN protocols are supported?

A: PPTP, L2TP, OpenVPN, WireGuard, IPSec, and Zerotier VPN clients are supported for secure remote access.

Specifications:

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Specifications	
Product Code	M1300 1PACK
Antenna Gain	2x 4dBi Internal Antennas
Beam-width	360degrees
Data Rate	2.4GHz: 300Mbps, 5.8GHz: 867Mbps
Ethernet Ports	2x 10/100/1000 (Per Mesh Point)
Hardware Button	Reset, Pair
Max. Power Consumption	10W
Mounting	Desktop
Operating System	Cudy
Operating Temperature	0 - 40degrees
PoE Input	None
PoE Output	None
Power Input	12V 1A Power Supply (Included)
Serial Interface	None
SIM Slots	None
Supported Voltage Range	12V 1A
USB Ports	None
Dimensions	150 x 150 x 110 mm
Weight	405g

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/M1300-1PACK-Cudy-Dual-Band-AC-1200Mbps-Gigabit-Mesh-1-Pack-p-275733.php

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