ComX Computers
Product Specification Sheet

AP3000

Cudy AX3000 2.5G Dual Band Ceiling Access Point

Product Overview

Cudy AX3000 2.5G Dual Band Ceiling Access Point





Specifications

Features:

- Premium AX3000 Wi-Fi 6
- Shielded 2.5G Port for Multi-Gig Throughput
- Maximum 512 Clients with 512 MB Large RAM
- Five Antennas for Broader Wi-Fi Coverage
- 802.3at/af PoE, Passive PoE, or DC Powering
- Mesh with Cudy Mesh Router / AC
- Config Radius Server for AAA Feature

Connects 512 Devices with 512 MB RAM
1.3 GHz dual-core CPU, large RAM, and the upgraded UL/DL MU-MIMO and OFDMA technologies significantly reduce transmission latency to and from the AP when connecting multiple devices.

5 Antennas and 3+2 Strucutre Boost Coverage
Five antennas plus 3+2 structure create more paths to bypass obstacles. Beamforming tracks connected devices' directions and boosts signal towards them.

Access Point
Simply create a Wi-Fi spot behind a router.

Wi-Fi Router
When PPPoE authorization or creating a separate subnet is needed, please use the Router mode.

Range Extender
Wi-Fi Extender (repeater) mode extends a existing Wi-Fi coverage to hard-to-cover area.

WISP
WISP extends Wi-Fi but creates a subnet for connected devices, so it's safer than extender mode.

Captive Portal
Improve your brand awareness by displaying a customized login page for new clients.

Band Steering
Assigns devices to less congested bands.

Auto Channel Optimization
Automatically avoid signal interruptions with nearby access points.

Self-Organizing Mesh
Form mesh backhaul via less congested routes automatically.

Specifications:

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Specifications	
Product Code	AP3000
Hardware Features	
Highlights	CPU: 1.3 GHz Dual-Core ARM CPU
	Flash: 256 MB NAND (2 Gbit)
	DDR: 512 MB DDR4 (4 Gbit)
Interface	1x 2.5 Gbps Ethernet Port (PoE In)
	1x Reset Button
	1x DC Jack
Power Supply	802.3af/at PoE
	48-57 V Passive PoE (+4, 5pins; -7, 8pins)
	12 V ~ 1.5 A DC
Power Consumption	PoE Idle: 5.7 W
	12 V DC Idle: 6.1 W
	PoE Max: 12 W
	12 V DC Max: 11 W
	48 V DC Max: 12 W
Dimensions (Dia.xH)	Ø231.9x57.1 mm (Ø9.13x2.25 inches)
Antenna Type	4x Internal Omni-directional Antennas
Mounting	Ceiling/Wall Mounting (Kit included)
Wireless Function	
Wireless Standards	Wi-Fi 6 (802.11ax/ac/n/g/b/a)
Frequency	2.4 GHz and 5 GHz

Signal Rate	5 GHz: Up to 2402 Mbps
	2.4 GHz: Up to 571 Mbps
Channel Width	20/40/80/160 MHz
Wireless Functions	Multiple SSID
(Features with * require a Cudy AC as the gateway. Cudy AC is coming soon)	Captive Portal
	Seamless Roaming Mesh
(Features with ** require a Cudy WR1300/WR3000 or Cudy AC as the gateway)	Self-Organizing Mesh
	Band Steering
	Auto Channel Optimization
	Enable/Disable Wireless Radio
	Transmit Power Control
	QoS (WMM)
	MU-MIMO
	Beamforming
	Rate Limit
	Reboot Schedule
	Wireless Schedule
Wireless Encryption	WPA-PSK, WPA2-PSK, WPA3-SAE, WPA-PSK/WPA2-PSK, WPA2-PSK/WPA3-SAE
Security	IP/MAC Filtering
(Features with * require a Cudy AC as the gateway, Cudy AC is coming soon in late 2023)	AP Isolation
Other	
Operating Modes	Wireless Access Point Mode
	Wireless Router Mode
	Wireless Extender Mode
	WISP Mode
Package Content	Access Point
	DC Adapter
	Mounting Kit
	Installation Guide
Environments	Operating Temperature: 0~40 degreesC (32~104 degreesF)
	Storage Temperature: -40~70 degreesC (-40~158 degreesF)
	Operating Humidity: 10~90% RH non-condensing
	Storage Humidity: 5~90% RH non-condensing

System Requirements	Windows, MAC OS, NetWare, UNIX, or Linux
	Firefox 12.0+, Chrome 20.0+, Safari 4.0+, or other web browser
	A fiber/cable/DSL Modem, or other devices providing wired internet
	Subscription with an internet service provider for internet access
	A power socket for AC power supply, or PoE power supply
	Advanced business AP features require a Cudy AC as the gateway, Cudy AC is coming soon in late 2023.
	Mesh features require a Cudy Mesh unit/Mesh router or AC as the gateway with firmware newer than 15.28.

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/AP3000-Cudy-AX3000-2-5G-Dual-Band-Ceiling-Access-Point-p-300274.php

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