ComX Computers
Product Specification Sheet

CD-AP3000O

Cudy AP3000 Outdoor Dual Band 3000Mbps WiFi 6 Outdoor Access Point

Product Overview

Cudy AP3000 Outdoor Dual Band 3000 Mbps High-Power WiFi 6 Outdoor Access Point, 2402 Mbps @ 5GHz Wi-Fi Speed, 574 Mbps @ 2.4GHz Wi-Fi Speed, 3 x 3 MIMO 5GHz, 2 x 2 MIMO 2.4GHz, 1x internal + 2x external Wi-Fi antennas, 6 dBi 5GHz antenna gain Max, 4 dBi 2.4GHz antenna gain Max, Beamforming, 1 abit RJ45 Port, 802.3at PoE, Passive PoE

Specifications

Overview:

Indoor/Outdoor AX3000 High-Power Wi-Fi 6 Access Point AP3000 Outdoor 1.0

A pole/wall-mounted WiFi 6 AP featuring eFEM providing exceptional range performance. The IP65 casing, PoE, and Cudy Mesh features, ideal for high-density park, farm, and parking lot environments.

- IP65, -40~70 degrees C (-40~158 degrees F), 6kV Surge
- 4-Stream Dual-Band Wi-Fi 6
- 2402 Mbps + 574 Mbps Wi-Fi
- 1x Shielded GbE PoE In
- 802.3at, 48~57V Passive PoE
- Watchdog, Schedule Reboot
- Max 320 m (1050 ft) Range
- 200 Connected Devices

Features:

Super-Fast, Super-Efficient AX3000 Wi-Fi 6

Wi-Fi 6 with the highest 160 MHz channel width and 1024-QAM modulation provide up to 3 Gbps total throughput. OFDMA and MU-MIMO work on uplink plug download directions allowing it to connect over 100 devices while minimizing latency. (Max 512 devices)

High-Power Wi-Fi Coverage with Five PA

Equipped with five power amplifiers and a 3+2 antenna structure, this AP delivers top-notch capabilities to navigate its signal through physical obstacles.

Works in Rain, Thunder, Dust, Heat, Cold

The AP is protected by an IP65 standard case, shielding it from rain and dust when installed vertically. It also features 6 kV Lightning/Surge and 8 kV ESD protection for higher reliability in thunderstorms. Its working temperatures span from -40 degrees F to 158 degrees F (-40 °C to 70 °C).

Seamless Roaming for Smooth Wi-Fi Experience

Enhance the Wi-Fi experience for your visitors by implementing a unified Wi-Fi name across your entire premises. With mesh technology, enjoy uninterrupted roaming as clients seamlessly connect to the strongest available Wi-Fi node without manual switching.

Simply Plug and Unplug for Mesh Setup

Connect the PoE adapter LAN port to a Cudy Mesh AP/router/Mesh unit/VPN Router/AC to add the new AP to the Mesh network. Feel free to unplug it or continue using the Ethernet backhaul after pairing.

Leave the Rest to Adaptive Routing

Adaptive Routing improves the system's awareness of the capacity used by each node. The system will automatically switch to a better path once the original backhaul path is congested.

Gigabit Port with Two PoE Options

Supports two powering methods-

- 802.3at PoE (Max power: 18 W, Idle: 5 W)
- 48-57 V Passive PoE (Adapter included, not waterproof)

If you need to simplify the wiring, we recommend using a PoE Switch that powers multiple devices simultaneously. See Cudy PoE Switches for more information.

Mounting Kit Included

A mounting kit is included in the box, supporting-

- Wall-Mounting

- Pole-Mounting

Specifications:

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Specifications	
Product Code	CD-AP3000O
Model Version	AP3000 Outdoor 1.0
CPU	
Chipset	MT7981BA
CPU Details	1.3 GHz Dual-Core CPU
Memory/Storage	
Flash/ROM	128 MB (1 Gbit) NAND
DDR/RAM	256 MB (2 Gbit) DDR3
Wireless	
5 GHz Wi-Fi Speed	2402Mbps
2.4 GHz Wi-Fi Speed	574Mbps
5 GHz Wi-Fi Streams	3T3R (3 x 3 MIMO)
2.4 GHz Wi-Fi Streams	2T2R (2 x 2 MIMO)
Wi-Fi Antennas	1 x Internal+2 x External
5 GHz Antenna Gain Max	6 dBi
2.4 GHz Antenna Gain Max	4 dBi
FEM or PA/LNA	5 GHz: 3 x High-Power
	2.4 GHz: 2 x High-Power
Detachable Wi-Fi Antennas Connector	RP-SMA Female
Beamforming	True
Range Performance	Max: 320 m (1050 ft)
	Park: 280 m (919 ft)
	Street: 70 m (230 ft)
	Woods: 40 m (131 ft)
Interfaces	
Gigabit RJ45 Ports	1
Ethernet Notes	Accepts PoE powering
LED	System
Physical Buttons	WPS Button
	Reset Button

Power Input	PoE via Ethernet Port
Power	
Power Methods	802.3at PoE
	Passive PoE
Passive PoE	48 ~ 57V
Power Adapter	Input: 100 ~ 240 V, 50/60 Hz AC
	Output: 48V Passive PoE
Max Power Consumption (W)	18 W
Idle Power Consumption (W)	5 W
Reliability	
Advanced	Hardware Watchdog
Lightning/Surge Protection	6kV
ESD Contact Protection	4kV
ESD Air Protection	8kV
Environment	Operating Temperature: -40 degreesC ~ 65 degreesC (-40 degreesF ~149 degreesF)
	Extend Operating Temperature with Industrial Grade SIM Card: -40 degreesC ~ 70 degreesC (-40 degreesF ~ 158 degreesF)
	Storage Temperature: -40 degreesC ~ 70 degreesC (-40 degreesF ~ 158 degreesF)
	Operating Humidity: 0% ~ 100% non-condensing
	Storage Humidity: 10% ~ 95% non-condensing
Ingress Protection Rating	IP65
	When devices is installed vertically
Certifications	FCC, CE
Mechanical	
Installation	Wall-mount
	Pole-mount
Dimension	Device Body:
	240 x 100 x 53.7 mm
	9.45 x 3.94 x 2.11 inches
	Each Antenna:
	197.5 x 21.6 x 15.5 mm
	7.78 x 0.85 x 0.61 inches
Product Weight	455 g (16.05 oz.)
Package Content	

Package Content	AP3000 Outdoor
	Detachable Antennas
	PoE Adapter
	Power Cord
	Mounting Kit
	Ethernet Cable
	Installation Guide
Ordering Information	
Retail Package Weight	EU: 856 g (30.19 oz.)
Retail Package Dimension	324 x 107 x 86 mm
	12.76 x 4.21 x 3.39 inches
Carton Net Weight	EU: 20.6 kg (45.42 lbs)
Carton Gross Weight	EU: 21.4 kg (47.18 lbs)
Units per Carton	20
Carton Dimension	46 x 33.7 x 45 cm
	18.11 x 13.27 x 17.72 inches

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/CD-AP3000O-Cudy-AP3000-Outdoor-Dual-Band-3000Mbps-WiFi-Buy-p-307598.php

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