AP3000 OUTDOOR

Cudy AX3000 2.5G Dual Band Ceiling Access Point - Outdoor

Product Overview

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Specifications

Features:

- AX3000 Wi-Fi 6
- Five Independant PA for High-Power Coverage
- Hardware Watchdog Improves Reliability
- MT7981
- 1x Gigabit WAN/LAN Port
- WPS Button, Reset Button
- 802.3at/af PoE or 48~57 V Passive PoE
- MU-MIMO/OFDMA
- IP65, -40~65 degreesC (Ext. -40~70 degreesC)
- 8/15 KV Contact/Air ESD + 6 KV Surge/Lightning Protection

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)

Five PA and Antennas for High-Power Wi-Fi Coverage
Equipped with five power amplifiers and an advanced 3+2 antenna structure, this AP delivers top-notch capabilities to navigate its signal through physical obstacles, providing extraordinary Wi-Fi coverage performance for a larger area.

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 keep using Ethernet backhaul after pairing. (Requires firmware newer than 1.15.28, the other Cudy Mesh device needs to be purchased separately)

Leave the Rest to Adaptive Routing
Adaptive Routing improves the system's awareness of the capacity used by each node. Once the backhaul path is jammed by

clients or interfered with by environmental factors, it will automatically switch to a better path for improved stability.

Specifications:

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Specifications	
Product Code	AP3000 OUTDOOR
Hardware Features	
Highlights	CPU: 1.3 GHz Dual-Core ARM Cortex-A53 CPU
	Flash: 128 MB (1 Gbit)
	DDR: 256 MB (2 Gbit)
Interfaces	1x Gigabit Ethernet Port (PoE-In)
	1x Reset Button
	1x WPS Button
Power Supply	802.3at PoE
	48-57 V Passive PoE (+4, 5pins; -7, 8pins)
Dimension (WxDxH)	AP Body: 240x100x53.7 mm
	Antennas: 197.5x21.6x15.5 mm
	Height of AP with Antennas installed: 438 mm
Antenna Type	2x Detachable Omni-directional Antennas
Mounting	Pole/Wall Mounting (Kit included)
Wireless Function	
Wireless Standard	Wi-Fi 6 (802.11ax/ac/n/g/b/a)
Frequency	5 GHz, 2.4 GHz
Signal Rate	5 GHz: Up to 2402 Mbps
	2.4 GHz: Up to 574 Mbps
Bandwidth	20/40/80/160 MHz
Wireless Functions	Fast Roaming
	Multiple SSID
(Features with * require a Cudy AC as the gateway. Cudy AC is coming soon)	Captive Portal
	Self-Organizing Mesh

(Features with ** require a Cudy WR1300/WR3000 or Cudy AC as the gateway)	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
	WPA-PSK/WPA2-PSK
	WPA3-SAE
	WPA2-PSK/WPA3-SAE
Security	Access Control
	Mac Filtering
	Wireless Isolation Clients
	VPN Server and Client Zerotier, Wireguard, OpenVPN, IPSec, L2TP, PPTP
	DNS over TLS Cloudflare, Google, Quad9
Weather-Proof	
Dust/Water-Proof	IP65 (Protection against any dust and low-pressure water from any directions)
Lightning Protection	6 KV Lightning/Surge protection at the Ethernet port
ESD	8 KV Contact / 15 KV Air ESD protection
Working Temperatures	-20/60 degreesC
	Extend -40/70 degreesC (Booted up in advance. Performance may drop slightly.)
Other	
Operating Modes	Access Point
	Wi-Fi Router
	Range Extender
	WISP
	Mesh
Package Content	Outdoor Wireless Access Point
	2x Detahcable Wi-Fi Antennas
	Passive PoE Adapter
	Mounting Kits
	Installation Guide

Environment	Operating Temperatures: -40~65 degreesC (-4~149 degreesF) ext. -40~70 degreesC (-40~158 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	Operating system that supports network/Wi-Fi connectivity, such as Windows, Android, macOS, iOS, or Linux

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-OUTDOOR-Cudy-AX3000-2-5G-Dual-Band-Ceiling-Access-Point-Outdoor-p-300214.php

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