



Outdoor AX3000 Gigabit High-Power Wi-Fi 6 Access Point

Model: AP3000 Outdoor



HIGHLIGHT FEATURES

- AX3000 Wi-Fi 6 with 160 MHz Channel: 2402 Mbps on 5 GHz and 574 Mbps on 2.4 GHz
- High-Power Wi-Fi: Five independent PA and 3+2 antennas provide extensive Wi-Fi coverage
- Connect more yet stay responsive with DL/UL OFDMA, DL/UL MU-MIMO
- Power Supply: 802.3at/af, 24-57 V Passive PoE (PoE Adapter Included)
- Weatherproof: IP65 waterproof and 6 KV lightning surge protection at the Ethernet port

HARDWARE FEATURES

Highlights:

- CPU: 1.3 GHz Dual-Core ARM Cortex-A53 CPU
- Chip: MT7981BA+MT7976DAN
- Flash: 128 MB (1 Gbit)
- DDR: 256 MB (2 Gbit)

Interface:

- 1x 2.5 Gbps Ethernet Port (PoE-In)
- 1x Reset Button
- 1x WPS Button

Power Supply:

- 802.3at/af PoE
- 24-57 V Passive PoE

Dimensions (WxDxH):

- Access Point (without Antennas): 240x100x53.7mm
- Wi-Fi Antennas: 197.5x21.6x15.5 mm each
- Height of AP with Antennas installed: 438 mm

Mounting:

A mounting kit is included, supporting

- Wall Mounting
- Pole Mounting

WIRELESS FEATURES

Wireless Standard

- 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 574 Mbps

Bandwidth

- 20/40/80/160 MHz

Wireless Functions

- Fast Roaming*
- Multiple SSID*
- Enable/Disable Wireless Radio
- Transmit Power Control
- QoS (WMM)
- Band Steering*
- MU-MIMO
- Beamforming
- Rate Limit
- Reboot Schedule
- Wireless Schedule
- Mesh (Satellite)*

* Requires a Cudy Mesh unit/Mesh router/AC as the gateway with firmware newer than 15.28)

Wireless Encryption

- WPA-PSK
- WPA2-PSK
- WPA-PSK/WPA2-PSK
- WPA3-PSK
- WPA2-PSK/WPA3-PSK

Security

- Access Control
- Mac Filtering
- Wireless Isolation Clients
- VPN Server and Client
 - Zerotier, Wireguard, OpenVPN, IPSec, L2TP, PPTP
- DNS over TLS
 - CloudFlare, Google, Quad9

OPERATION MODES

- Wireless Access Point Mode
- Wireless Router Mode
- Wireless Extender Mode
- WISP Mode
- Mesh (Satellite)

ENVIROMENTS:

- Operating Temperature: -40–65 °C (-40–149 °F)
- Extend Operating Temperature: -40–70 °C (-40–158 °F)
- Storage Temperature: -40–70 °C (-40–158 °F)
- Operating Humidity: 10–90% RH non-condensing
- Storage Humidity: 5–90% RH non-condensing

PACKAGE CONTENTS

- Outdoor Access Point
- 2× Detachable Wi-Fi Antennas
- 48 V PoE Adapter
- Ethernet Cable (Length: 1 m)
- Mounting Kit
- Installation Guide

SYSTEM REQUIREMENTS

- Microsoft Windows, macOS, Linux, or Unix
- Latest Web Browser, such as Firefox, Chrome, Safari, or Edge
- A Cable or DSL Modem, or other devices providing Internet
- Subscription with an internet service provider