



AIRY-APO3000AX

**COMMANDO AirY 3000Mbps, Gigabit 802.11ax,
360° WiFi 6 Outdoor Access Point**

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Product Overview

COMMANDO AIRY-APO3000AX is a high-performance Wi-Fi 6 Outdoor Access Point designed to deliver reliable, high-speed wireless connectivity for outdoor environments such as campuses, industrial facilities, warehouses, hospitality venues, public spaces, and enterprise networks. Supporting the latest IEEE 802.11ax (Wi-Fi 6) technology, it provides a combined wireless throughput of up to 2976Mbps, with 574Mbps on the 2.4GHz band and 2402Mbps on the 5GHz band.

The access point is equipped with a Gigabit Ethernet WAN port with IEEE 802.3at PoE support and a Gigabit Ethernet LAN port, enabling reliable wired connectivity while simplifying deployment through a single Ethernet cable for both data and power. It also supports 12V DC power input, providing flexible power options for various installation scenarios.

Designed for outdoor deployment, the AIRY-APO3000AX features an IP65-rated enclosure and is equipped with two high-gain 5dBi antennas, providing stable 360° wireless coverage across outdoor areas. The compact and lightweight design allows for easy installation while maintaining reliable performance in challenging environmental conditions.

Built on a powerful hardware platform with 256MB DDR3 memory, and 128MB SPI NAND Flash, the access point delivers stable wireless performance and efficient data processing for business-critical outdoor applications.

Supporting Gateway Mode and AP Mode, multiple SSIDs, VLAN configuration, MAC filtering, client isolation, RF power adjustment, and WEB GUI management, the COMMANDO AIRY-APO3000AX provides a cost-effective and reliable outdoor wireless networking solution for modern organizations.

Product Highlights

- Delivers high-performance Wi-Fi 6 wireless connectivity with aggregate speeds of up to 2976Mbps (574Mbps on 2.4GHz + 2402Mbps on 5GHz).
- Supports IEEE 802.11ax with backward compatibility for IEEE 802.11ac/a/b/g/n wireless standards.
- Equipped with 1 × Gigabit Ethernet WAN port with IEEE 802.3at PoE support and 1 × Gigabit LAN port for reliable high-speed wired connectivity.
- IP65-rated outdoor enclosure with 360° omnidirectional wireless coverage and 2 × high-gain 5dBi dual-band antennas for reliable outdoor deployments.
- Supports Gateway Mode and AP Mode, providing flexible deployment for enterprise, campus, hospitality, industrial, and public outdoor wireless networks.
- Supports up to 8 SSIDs (4 per radio) and up to 64 concurrent wireless users per band for efficient wireless network segmentation and user management.
- Supports IEEE 802.3at PoE and 12V DC power input, providing flexible installation options for outdoor deployments.
- Supports RF Power Adjustment, MAC Filtering, Client Isolation, VLAN configuration, and WPA/WPA2-PSK/WPA3 security for enhanced wireless management and network protection.
- Built-in WEB GUI management supports firmware upgrades, configuration backup and restore, scheduled reboot, and system logging for simplified administration.
- Industrial-grade outdoor design featuring IP65 protection, ESD protection, and surge protection for reliable long-term operation in demanding outdoor environments.

Features and Benefits

High-Speed Wi-Fi 6 Performance

Built on IEEE 802.11ax (Wi-Fi 6) technology, the AIRY-APO3000AX delivers wireless speeds of up to 2976Mbps, providing reliable connectivity for bandwidth-intensive applications and multiple connected devices.

Wide Outdoor Wireless Coverage

Equipped with two high-gain 5dBi antennas, the access point provides reliable 360° wireless coverage and supports up to 120-150 meter wireless coverage radius in outdoor deployment scenarios.

Flexible Deployment Options

Supports both Gateway Mode and AP Mode, allowing the device to be deployed in various network environments according to application requirements.

Dual Power Input Support

Supports IEEE 802.3at PoE and 12V DC power input, providing flexible installation options and simplifying deployment in outdoor locations.

Multiple SSID Support

Supports up to 8 SSIDs (4 SSIDs on the 2.4GHz band and 4 SSIDs on the 5GHz band), enabling wireless network segmentation for different users and applications.

Enhanced Wireless Security

Provides multiple security mechanisms including:

- OPEN
- WPA/WPA2-PSK (TKIP/AES)
- WPA3-PSK (AES)
- Wireless MAC Address Filtering
- Client Isolation

These features help protect network resources and improve wireless security.

Adjustable RF Power

Supports RF power adjustment, allowing wireless coverage to be optimized according to deployment requirements and surrounding environmental conditions.

Reliable Outdoor Design

Designed with an IP65-rated enclosure for protection against dust and water ingress, making it suitable for outdoor deployments in challenging environments.

Stable and Energy-Efficient Operation

Built with a high-performance hardware platform while maintaining power consumption below 10W, helping reduce operational costs and improve energy efficiency.

Industrial-Grade Protection

Provides enhanced reliability with:

- ESD Protection: Air $\pm 8\text{KV}$, Touch $\pm 6\text{KV}$
- Electrical Surge Protection:
 - Common Mode: 2KV
 - Differential Mode: 1KV

These protection mechanisms help ensure stable operation in outdoor environments.

Cost-Effective Outdoor Connectivity

Combining Wi-Fi 6 performance, Gigabit Ethernet connectivity, PoE support, IP65 protection, and flexible deployment modes, the COMMANDO AIRY-APO3000AX delivers a reliable and cost-effective outdoor wireless networking solution.

Easy to Use

COMMANDO AIRY-APO3000AX is designed for simple deployment and management through an intuitive WEB GUI interface. The compact and lightweight design allows quick installation while requiring minimal configuration for operation.

Software

COMMANDO AIRY-APO3000AX supports standalone FAT AP mode with an intuitive WEB GUI interface for local configuration, monitoring, and management.

Monitoring

Wireless AP status, System Information, Device Information, Network Information, Wireless Information, Connected Wireless Clients, and Running Status.

System Setup

Supports:

- Basic Settings
- Backup Configuration
- Restore Configuration
- Restore Factory Settings
- Firmware Upgrade
- Scheduled Reboot
- Immediate Reboot
- Administrator Password Modification
- System Log

Network

Supports Gateway Mode and AP Mode.

Gateway Mode

- Static IP
- DHCP
- PPPoE

- VLAN Configuration
- IPv4 Protocol Support

AP Mode

- Wireless access through wired network uplink
- VLAN Configuration Support

Wireless Management

Wireless Features

- SSID Broadcast
- Multi SSID up to 8 (4 SSIDs for 2.4GHz and 4 SSIDs for 5GHz)
- Hide SSID
- 5G Priority
- Wi-Fi Time ON/OFF Scheduling
- RF Power Adjustment
- Wireless Client Limit
- Client Isolation
- Wireless MAC Address Filtering

Wireless Security

Supports:

- OPEN
- WPA/WPA2-PSK (TKIP/AES)
- WPA3-PSK (AES)

Device Management

Supports:

- Backup Configuration
- Restore Configuration
- Factory Reset
- Firmware Upgrade
- Scheduled Reboot
- Immediate Reboot
- Administrator Password Modification
- System Log

Firewall and Network Services

- VLAN Configuration
- Wireless MAC Address Filtering
- Client Isolation

User Management

Supports wireless client monitoring and management through the WEB GUI interface. User quantity can be limited, supporting up to 64 wireless users per band.

Easy Configuration

COMMANDO AIRY-APO3000AX provides an intuitive WEB GUI interface for easy deployment and management. It supports Plug-and-Play installation, RF power adjustment, firmware upgrades, configuration backup and restore, scheduled reboot, and requires minimal configuration for operation.

Logs

Supports System Logs for device monitoring, troubleshooting, and maintenance.

Hardware

Solid Performance with Non-Blocking Architecture

Powered by a high-performance hardware platform with 128MB SPI NAND Flash and 256MB DDR3 memory, providing stable data processing capability and reliable wireless performance. Built on the MT7981B + MT7976CN + 7531AE platform, the access point is designed to deliver consistent connectivity for outdoor wireless deployments.

Physical Ports and Networking Interfaces

- 1 × 10/100/1000Mbps RJ-45 WAN Port with IEEE 802.3at PoE support
- 1 × 10/100/1000Mbps RJ-45 LAN Port
- DC 12V/1A Power Input
- Reset Button
- LED Indicators (PWR, WAN, LAN, 2.4G, 5.8G)

The Gigabit Ethernet WAN port provides reliable network connectivity, while PoE support simplifies outdoor deployment by delivering power and data through a single Ethernet cable.

Outdoor-Ready Design

Designed specifically for outdoor deployments, the COMMANDO AIRY-APO3000AX features an IP65-rated weather-resistant enclosure that helps protect the device against dust, moisture, and harsh environmental conditions. Equipped with two high-gain 5dBi antennas, the access point provides stable 360° wireless coverage for outdoor environments.

Flexible Power Options

Supports both:

- IEEE 802.3at PoE (48V)

- DC 12V/1A Power Input

This dual power design provides greater flexibility for installations in different deployment scenarios.

Reliable Outdoor Operation

Built to operate reliably in demanding outdoor environments.

- Operating Temperature: -30°C to 55°C
- Storage Temperature: -40°C to 70°C
- Humidity: 5% to 95% (Non-condensing)

Industrial-Grade Protection

Designed with built-in protection mechanisms to improve reliability and operational stability.

- ESD Protection:
 - Air: $\pm 8\text{KV}$
 - Touch: $\pm 6\text{KV}$
- Electrical Surge Protection:
 - Common Mode: 2KV
 - Differential Mode: 1KV

These protection features help safeguard the device from electrical disturbances commonly encountered in outdoor deployments.

Energy-Efficient Design

With power consumption of less than 10W, the AIRY-APO3000AX provides efficient wireless performance while helping reduce operational power requirements.

Specifications

Technical Specifications

Supports 2.4GHz + 5GHz dual-band operation with IEEE 802.11ax/ac/a/b/g/n standards and backward compatibility for legacy wireless clients. It is a standalone outdoor Access Point supporting up to 8 SSIDs (4 SSIDs on 2.4GHz and 4 SSIDs on 5GHz), with wireless security options including OPEN, WPA/WPA2-PSK (TKIP/AES), and WPA3-PSK (AES). The device supports Gateway Mode and AP Mode and provides flexible power options through IEEE 802.3at PoE (48V) or DC 12V/1A power input.

Table 1. Specifications

Technical Parameters	Specification
Model	AIRY-APO3000AX
IEEE Standard	IEEE 802.11ax/ac/a/b/g/n
Memory	256MB DDR3
Flash	SPI NAND 128MB
Antenna	2 × External High-Gain Antennas
Antenna Gain	2 × 5dBi
Hardware Interfaces	1 × 10/100/1000Mbps RJ-45 WAN Port with IEEE 802.3at PoE Support, 1 × 10/100/1000Mbps RJ-45 LAN Port, 1 × DC 12V/1A Power Input, 1 × Reset Button
LED Indicators	PWR, WAN, LAN, 2.4G, 5.8G
Frequency	Dual Radio 2.4GHz + 5GHz
2.4GHz Frequency Range	2.4GHz – 2.484GHz
5GHz Frequency Range	5.150GHz – 5.850GHz
Wireless Data Rate	2.4GHz: Up to 574Mbps, 5GHz: Up to 2402Mbps, Total Throughput: Up to 2976Mbps

Technical Parameters	Specification
Wi-Fi Operational Modes	Gateway Mode, AP Mode
Maximum Wireless Users	Up to 64 Users per Band
Multiple SSID	Up to 8 SSIDs (4 for 2.4GHz and 4 for 5GHz)
Wireless Security	OPEN, WPA/WPA2-PSK (TKIP/AES), WPA3-PSK (AES)
Access Control Features	Wireless MAC Address Filtering, Client Isolation, User Quantity Limitation
Wireless Features	SSID Hide, 5G Priority, Wi-Fi Schedule, RF Power Adjustment
Network Features	VLAN Support, IPv4
Management	WEB GUI Management
Device Management	Backup Configuration, Restore Configuration, Factory Reset, Firmware Upgrade, Scheduled Reboot, Administrator Password Modification, System Log
Power Input	IEEE 802.3at PoE (48V) or DC 12V/1A
Power Consumption	< 10W
Dimension	196mm × 86mm × 40mm
Weight	0.4kg
Protection Grade	IP65
Environmental	Operating Temperature: -30°C to 55°C, Storage Temperature: -40°C to 70°C, Humidity: 5% ~ 95% (Non-condensing)
ESD Protection	Air: ±8KV, Touch: ±6KV
Electrical Surge Protection	Common Mode: 2KV, Differential Mode: 1KV
Warranty Period	2 Year

Table 2. COMMANDO AIRY-APO3000AX LED Indication

LED Indicator	LED Status
PWR	ON: Power supply is connected and the device is powered ON.
WAN	ON/Blinking: WAN port is connected and network activity is present.
LAN	ON/Blinking: LAN port is connected and network activity is present.
2.4G	ON/Blinking: 2.4GHz wireless radio is enabled and wireless activity is present.
5.8G	ON/Blinking: 5GHz wireless radio is enabled and wireless activity is present.

Included in the Bundle/Box

COMMANDO AIRY-APO3000AX comes with the following accessories:

- 1 × COMMANDO AIRY-APO3000AX Wi-Fi 6 Outdoor Access Point
- 1 × LAN Cable
- 1 × Installation Accessories Kit
- 2 × External Antennas

Support and Warranty

- Same-day assistance
- Comprehensive 24-hour support using common communication/chat platforms, Email and Telephone.
- Provide FAQs and troubleshooting help online (self-service) through cloud-based solutions.
- Highly technical and trained representatives to resolve issues.
- Two-year default warranty with option of warranty extension up to 3 years

COMMANDO WarrantyX Program available
on: <https://www.commandonetworks.com/warranty>

Table 3. Support and Warranty

Warranty and Support	
Products covered	COMMANDO AirY 3000Mbps, Gigabit 802.11ax, 360° WiFi 6 Outdoor Access Point
Warranty duration	Two Year RTB (Return To Base) replacement warranty – optionally extendable up to 3 years.
Hardware replacement	COMMANDO, its resellers or its service center will use commercially reasonable efforts to replace the product subject to stock availability. Otherwise, a replacement will be arranged within 15 working days after receipt of the Return Materials Authorization (RMA) request.
End-of-life policy	In case of discontinuation of the product, support is limited to 3 years from announcement date.
Effective date	Hardware warranty commences from the date of shipment to customer (and in case of resale by a COMMANDO reseller, not more than 90 days after original shipment by COMMANDO).
Support duration	Lifetime support.
COMMANDO Care	COMMANDO will provide 24x7 support for basic configuration, diagnosis, and troubleshooting of device-level problems for up to one year from the date of shipment of the originally purchased product. This support does not include solution or network-level support beyond the specific device under consideration.
Online Portal Access	Warranty allows guest access to commandonetworks.com for all available technical queries.

Ordering Information

To place an order, please contact your local reseller/distributor or COMMANDO Sales Representative at www.commandonetworks.com/catalog

Table 4. COMMANDO Outdoor AP Ordering Information

Product Code	Product Description
AIRY-APO3000AX	COMMANDO AirY 3000Mbps, Gigabit 802.11ax, 360° WiFi 6 Outdoor Access Point
AIRY-APO3600MB	COMMANDO AirY 3600Mbps, 2.5G 802.11be, 360° WiFi 7 Outdoor Access Point
AIRY-APO3000MAX	COMMANDO AirY 3000Mbps, 2.5G 802.11ax, IP67, 360° WiFi 6 Outdoor Access Point
AIRY-APO1200	COMMANDO AirY 1200Mbps, 802.11ac, 360° Outdoor Access Point

Document History

Release	New or Revision	Described in	Date
Release 1	First Release	First Release	July 1st, 2026