

AIRY-AP3000AX

COMMANDO AirY 3000Mbps, 802.11ax OFDMA+MU-MIMO, WiFi 6 Access Point

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Product Overview

COMMANDO AIRY-AP3000AX is a Wi-Fi 6 indoor Access Point that operates standalone mode. It delivers an aggregate wireless throughput of up to 2976Mbps by leveraging advanced IEEE 802.11ax technologies, including OFDMA and MU-MIMO, to provide efficient, high-performance wireless connectivity. Featuring dual-band operation across the 2.4GHz and 5GHz frequency bands, the access point is designed to deliver reliable wireless coverage for enterprise and commercial environments.

It is an indoor Wall/Ceiling Access Point that can be installed at various locations to provide stable and reliable wireless access for users. The device supports IEEE 802.3af PoE as well as DC power input, simplifying installation by eliminating the need for a dedicated power source and reducing deployment costs.

The AIRY-AP3000AX supports Standalone WEB GUI management, allowing easy configuration and monitoring without requiring an external controller. It also provides features such as Multi SSID, Band Steering, Wireless MAC Filtering, QoS (WMM), DHCP Server, PPPoE, Wi-Fi Scheduling, Client Isolation, and Built-in Firewall functions to meet the networking requirements of modern business environments.

The compact and silent design, combined with Plug-and-Play deployment and Zero Touch Provisioning, makes the COMMANDO AIRY-AP3000AX an ideal wireless solution for small and medium enterprises, educational institutions, hospitality, commercial establishments, offices, conference rooms, and other indoor environments.

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Product Highlights

- Wi-Fi 6 Indoor Wall/Ceiling-Mount Access Point with dual-band 2×2 MIMO (2.4GHz) and 3×3 MIMO (5GHz) architecture, delivering an aggregate wireless throughput of up to 2976Mbps.
- Supports IEEE 802.11ax (Wi-Fi 6) with OFDMA and MU-MIMO technologies, while maintaining backward compatibility with IEEE 802.11ac/a/b/g/n wireless devices.
- Supports Gateway Mode and AP Mode, providing flexible deployment options for enterprise, commercial, and business wireless networks.
- Supports up to 128 concurrent wireless users with up to 8 SSIDs (4 per radio), making it suitable for medium-density enterprise environments.
- Provides wireless coverage of up to 120–150 meters radius, depending on deployment, site layout, and environmental conditions.
- Equipped with one Gigabit WAN port with IEEE 802.3af PoE support and one dedicated Gigabit LAN port, ensuring reliable high-speed wired connectivity.
- Supports IEEE 802.3af PoE and DC 12V/1.5A dual power input, enabling flexible installation while reducing deployment complexity.
- Built-in high-gain MIMO antennas with adjustable RF transmit power deliver optimized wireless coverage and stable signal performance.
- Built-in Hardware Watchdog automatically detects and recovers from abnormal operating conditions, enhancing system stability and long-term reliability.
- Compact wall/ceiling-mount design with concealed network ports for clean, professional installations across offices, educational institutions, hospitality, healthcare, retail, and other commercial environments.

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Features and Benefits

Easy to Use

COMMANDO AirY Series AIRY-AP3000AX supports standalone operation through an intuitive WEB GUI. It is easy to configure and requires minimal setup, making deployment simple and hassle-free. Auto-negotiation senses the link speed of wired network devices operating at 10/100/1000Mbps for optimal compatibility and performance. It supports multiple wireless channel bandwidth options for both 2.4GHz and 5GHz bands, providing flexible wireless deployment. Dynamic LED indicators provide real-time operating status and basic fault diagnosis. The elegant concealed-port design and plug-and-play installation make it suitable for ceiling-mounted enterprise wireless deployments.

Wi-Fi 6 Technology

AIRY-AP3000AX adopts the latest IEEE 802.11ax (Wi-Fi 6) technology with OFDMA and MU-MIMO to improve wireless efficiency and support multiple users simultaneously. Wi-Fi 6 technology reduces latency, improves network capacity, and enhances the user experience in high-density environments. The AP supports dual-band operation with a combined wireless throughput of up to 2976Mbps.

Gigabit Ethernet Connectivity

The access point provides one 10/100/1000Mbps WAN port with IEEE 802.3af PoE support and one dedicated 10/100/1000Mbps LAN port, delivering reliable Gigabit connectivity for enterprise networks.

Wireless Client Support

Supports up to 128 concurrent wireless users with a maximum of 64 users per band, making it suitable for offices, educational institutions, retail stores, hospitality, and other medium-density wireless environments.

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Network Security

Supports flexible wireless security policies including OPEN, WPA/WPA2-PSK (TKIP/AES), and WPA3-PSK (AES). Wireless MAC Filtering helps prevent unauthorized device access, while Client Isolation enhances wireless stability and security.

Multi-SSID and VLAN Support

Supports up to 8 wireless SSIDs (4 for 2.4GHz and 4 for 5GHz) with VLAN configuration to separate different wireless networks and improve data security and network management.

Compact and Silent Performance

The compact ceiling-mount design operates silently, making it ideal for offices, conference rooms, educational institutions, hotels, healthcare facilities, and other noise-sensitive environments.

Support Uninterrupted Critical Network Infrastructure

Supports dual power options through IEEE 802.3af PoE and DC 12V/1.5A power input, providing flexible installation and improving network reliability.

Hardware Watchdog Protection

The built-in hardware watchdog automatically detects and recovers abnormal operating conditions, reducing maintenance effort and improving long-term reliability.

Cost Effective

Combines high-speed Wi-Fi 6 performance, enterprise-class features, and reliable hardware design to deliver a cost-effective wireless networking solution for modern business environments.

Elegant Design

The AP features an elegant appearance with concealed network ports for neat wiring and professional installation, making it suitable for commercial and enterprise deployments.

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Software

COMMANDO AIRY-AP3000AX supports standalone operation with an easy-to-use WEB GUI for local management and configuration.

Monitoring

Wireless AP Information, Device Information, LAN Information, Wi-Fi Information, Connected Clients, System Status, and Running Status.

System Setup

Basic Settings, Backup Configuration, Restore Configuration, Restore Factory Settings, Firmware Upgrade, Scheduled Reboot, Immediate Reboot, Administrator Password Management, and System Log.

Network

Supports Gateway Mode and AP Mode.

Gateway Mode

- Static IP
- DHCP
- PPPoE

AP Mode

Ethernet uplink for Internet access.
Supports operation with external network DHCP services.

Additional Network Features

- VLAN Configuration
- Wired WAN/LAN Configuration

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Wireless Management

Wireless Features

- SSID Broadcast
- Multi SSID up to 8 (4 SSID for 2.4GHz and 4 SSID for 5GHz)
- Hide SSID
- Band Steering (5GHz Priority)
- RF Transmit 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 Management
- System Log

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User Management

Displays wireless client information including:

- Connected Client Information
- MAC Address
- Connected SSID
- Client Status

Easy Configuration

COMMANDO AIRY-AP3000AX provides an intuitive WEB GUI interface for easy deployment and management. It supports simple installation, elegant concealed-port design, dynamic LED status indication, and requires minimal configuration for operation.

Logs

Supports System Logs for device monitoring and troubleshooting.

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Hardware

Solid Performance with Non-Blocking Architecture

Powered by a high-performance hardware platform with SPI NOR 16MB Flash and 256MB DDR3 memory, providing reliable data processing capability and stable wireless performance.

Equipped with 1 × 10/100/1000Mbps WAN port with IEEE 802.3af PoE support and 1 × 10/100/1000Mbps LAN port to deliver high-speed network connectivity and maximize Wi-Fi 6 performance.

Designed with a non-blocking architecture to ensure smooth and reliable data transmission.

Physical Ports and Networking Interfaces

- 1 × 10/100/1000Mbps RJ-45 WAN Port with IEEE 802.3af PoE support
- 1 × 10/100/1000Mbps RJ-45 LAN Port
- LED Status Indicators
- Reset Button
- DC 12V Power Input

Extra Long Operational Life

Built with a high-quality PCB design and industrial-grade components for long-term reliability and stable operation.

Supports an operating temperature range suitable for indoor enterprise deployments.

Compact indoor ceiling/wall mount design suitable for offices, educational institutions, hospitality, retail, and commercial environments.

Built-in Hardware Watchdog automatically detects and recovers abnormal operating conditions, improving device reliability.

Elegant and Compact Design

Compact and elegant hardware design with concealed network ports provides neat cable management and easy installation for indoor deployments.

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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 supports Gateway Mode and AP Mode, Multi SSID up to 8, and wireless security options including OPEN, WPA/WPA2-PSK (TKIP/AES), and WPA3-PSK (AES).

The device supports dual power options through IEEE 802.3af PoE or DC 12V/1.5A power input.

Table 1. Specifications

Technical Parameters	Specification
Model	AIRY-AP3000AX
IEEE Standard	IEEE 802.11ax/ac/a/b/g/n
Memory	256MB DDR3 RAM
Flash	SPI NOR 16MB
Antenna	Built-in MIMO Antenna - 2.4GHz: 2×2, 4.6dBi - 5GHz: 3×3, 4dBi
Hardware Interfaces	1 × 10/100/1000Mbps RJ-45 WAN Port with IEEE 802.3af PoE support 1 × 10/100/1000Mbps RJ-45 LAN Port 1 × Reset Button 1 × DC Power Input
Frequency	Dual Radio 2.4GHz + 5GHz
Wireless Data Rate	2.4GHz: Up to 574Mbps 5GHz: Up to 2402MbpsTotal Throughput: Up to 2976Mbps
Wi-Fi Operational Modes	Gateway Mode, AP Mode

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Technical Parameters	Specification
Concurrent End Users	Up to 128
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, Wireless Client Limit, Client Isolation
Wireless Features	Band Steering (5GHz Priority), Hide SSID, RF Power Adjustment
Management	WEB GUI Management Backup & Restore Configuration Firmware Upgrade Scheduled Reboot System Log
Reset	Hardware Reset Button
Power Input	IEEE 802.3af PoE or DC 12V/1.5A
Indicator Light	LED Status Indicators
Environmental	Operating Temperature: -20°C to 55°C Storage Temperature: -40°C to 70°C Humidity: 5–95% (Non-Condensing)
Hardware Protection	Hardware Watchdog
Warranty Period	2 Year

Table 2. COMMANDO AIRY-AP3000AX LED Indication

LED Indicator	LED Status
SYS (Red)	System Power and Device Status Indication
2.4G (Green)	2.4GHz Wireless Network Status Indication
5.8G (Blue)	5GHz Wireless Network Status Indication

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Included in the Bundle/Box

COMMANDO AIRY-AP3000AX comes with the following accessories:

- 1 × COMMANDO AirY Wi-Fi 6 Access Point (AIRY-AP3000AX)
- 1 × LAN Cable
- 1 × Mounting Accessories
- 1 × Gift Box

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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, 802.11ax OFDMA+MU-MIMO, WiFi 6 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.

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Ordering Information

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

Table 4. COMMANDO Indoor AP Ordering Information

Product Code	Product Description
AIRY-AP3000AX	COMMANDO AirY 3000Mbps, 802.11ax OFDMA+MU-MIMO, WiFi 6 Access Point
AIRY-AP5000MB	COMMANDO AirY 5000Mbps, 2.5G 802.11be, 4K-QAM MLO MRU, WiFi 7 Access Point
AIRY-AP1500AX	COMMANDO AirY 1500Mbps, 802.11ax OFDMA+MU-MIMO, WiFi 6 Access Point
AIRY-AP1200	COMMANDO AirY 1200Mbps, 802.11ac Wave 2 MU-MIMO, Access Point

Document History

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

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