

WiFi 6 | IP67 Weatherproof | 6KV Lightning Protection | 15KV ESD Protection | Active/Passive PoE

Product Overview

The WAVLINK AX3000 (AERIAL HD9) is a high-performance outdoor dual-band WiFi 6 access point designed for long-range wireless coverage across large properties, farms, sheds, commercial outdoor installations, and Mesh network deployments. Supporting IEEE 802.11ax/ac/a/b/g/n, it delivers combined speeds of up to 2975 Mbps across 2.4 GHz and 5 GHz bands for stable multi-device connectivity, supporting up to 128 simultaneous connections. Equipped with four 8 dBi detachable omni-directional fibreglass tube antennas and high-power amplifiers, it maintains strong signal penetration across challenging outdoor environments. Its IP67 weatherproof enclosure withstands harsh outdoor conditions including rain, snow, wind and dust, with built-in 6KV lightning protection and 15KV ESD protection for reliable operation in the field. Active and passive PoE support simplifies installation where power outlets are unavailable, and multiple operating modes allow integration into virtually any network topology.

Technical Specifications

Wireless

WiFi Standard	IEEE 802.11ax/ac/a/b/g/n (WiFi 6)
Frequency Bands	2.4 GHz and 5 GHz (Dual Band)
Max Speed	2975 Mbps combined (2.4G: 573 Mbps / 5G: 2402 Mbps)
Antennas	4 x 8 dBi Detachable Omni-Directional
Amplifier	High-Power PA/LNA
Security	WPA2-PSK, WPA2/WPA3-MIX
Max Connected devices	Up to 128

Connectivity

Ethernet Port	1 x Gigabit (PoE)
Operation Modes	Access Point, Router, Repeater, Mesh
Button	1 x Reset
LED Indicator	Pair/Reset (Blue), PoE Converter Status (Green)

Power

Active PoE	802.3af/at compliant
Passive PoE	DC 48-54V

Physical

Dimensions	240 x 240 x 70mm (without antennas)
Weight	1109g (without antennas)
Lightning protection	6KV
ESD protection	15KV
Weatherproof rating	IP67

In the Box

Included	1 x Outdoor Access Point, 4 x Detachable Omni Antennas, 1 x Ethernet Cable, 1 x Passive PoE Adapter, 1 x PoE Converter, Mounting Hardware, 1 x Quick Guide
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