

AP130

802.11ac Dual-Radio 2x2:2 access point with internal antennas designed for ultra-high density environments

The AP130 provides high-performance data rates up to 867 Mbps in the 5 GHz band. It supports dual concurrent 2.4 Ghz 802.11b/g/n and 5 Ghz 802.11a/n/ac radios. Designed for high density environments, AP130 is powerful enough to provide all the services needed for an enterprise network, and cost-effective enough to deploy for high capacity networks.

With more users, more devices, more things, more applications, and strained infrastructure and budget, the AP130 is a powerful option to meet those challenges. AP130 combines powerful 802.11ac Wi-Fi technology, advanced security and device lifecycle management together into a cost-optimized solution that allows you to deploy high speed Wi-Fi into every office or classroom.

AP130 is a key component of the Aerohive Connect solution. Connect provides cloud-managed connectivity built on Aerohive's industry-first cooperative control Wi-Fi focused on optimizing speed and resilience. Connect is centrally managed from the cloud, allowing for simple, fast, and powerful management.



Aerohive Connect

AEROHIVE CONNECT COMPONENTS



ENTERPRISE CONNECTIVITY

- Trusted Platform Module (TPM) – Hardware-based key storage and encryption
- Encryption: AES/CCMP, TKIP, and RC4 (WEP only)
- On-device RADIUS server with directory integration support, Captive Web Portal and DHCP server



CLOUD MANAGEMENT

- Network Device and Client Monitoring
- Global Search and Filter function
- Auto-Provisioning Tools for quick and easy deployment
- Network Health View
- Versatile RF Planning
- Guided Network Configuration Setup
- 802.1X and PSK Secured Networks
- Guest Access functionality with configurable Captive Web Portal



HIVECARE SUPPORT

- HiveCare Community Support: forum-based interactive support
- HiveCare Connect Callback service: optional
- Wide array of online resources and tools

PRODUCT SKUs

SKU	DESCRIPTION
AH-AP-130-AC-FCC	AP130, indoor plenum rated, 2 radio 2x2:2 802.11a/b/g/n/ac, 1 10/100/1000 Ethernet port, FCC regulatory domain, w/o power supply (Internal Antenna only).
AH-AP-130-AC-W	AP130, indoor plenum rated, 2 radio 2x2:2 802.11a/b/g/n/ac, 1 10/100/1000 Ethernet port, configurable regulatory domain, w/o power supply (Internal Antenna only).

Note: Includes HiveManager Connect & HiveCare Connect Support.

PRODUCT SPECS

Radio Specifications—802.11a

- 5.150–5.850 GHz Operating Frequency
- Orthogonal Frequency Division Multiplexing (OFDM) Modulation
- Rates (Mbps): 54, 48, 36, 24, 18, 12, 9, 6 w/ auto fallback

Radio Specifications—802.11b

- 2.4–2.5 GHz Operating Frequency
- Direct-Sequence Spread-Spectrum (DSSS) Modulation
- Rates (Mbps): 11, 5.5, 2, 1 w/ auto fallback

Radio Specifications—802.11g

- 2.4–2.5 GHz Operating Frequency
- Orthogonal Frequency Division Multiplexing (OFDM) Modulation
- Rates (Mbps): 54, 48, 36, 24, 18, 12, 9, 6 w/ auto fallback

Radio Specifications—802.11n

- 2.4–2.5 GHz & 5.150–5.850 GHz Operating Frequency
- 802.11n Modulation
- Rates (Mbps): MCS0 - MCS15 (6.5Mbps - 300Mbps)
- 2x2 Multiple-In, Multiple-Out (MIMO) Radio
- HT20 and HT40 High-Throughput (HT) Support
- A-MPDU and A-MSDU Frame Aggregation

Radio Specifications—802.11ac

- 5.150–5.850 GHz Operating Frequency
- 802.11ac Modulation (256-QAM)
- Rates (Mbps): MCS0–MCS9 (6.5Mbps – 867Mbps), NSS = 1-2.
- 2x2:2 Stream Multiple-In, Multiple-Out (MIMO) Radio
- VHT20/VHT40/VHT80 support
- TxBF (Transmit Beamforming)

Antennas

- 2x Integrated single band, 2.4-2.5 GHz Omnidirectional antennas
- 2x Integrated single band, 5.1-5.8 GHz Omnidirectional antennas

Interfaces

- Autosensing 10/100/1000 Base-T Ethernet PoE (Power over Ethernet 802.3af) Port

Physical

- LxWxH 147X147X42 mm (5.79x5.79x1.65in). (w/o mounting brackets)
- .51kg (1.13 lbs) (w/o mounting brackets)

Environmental

- Operating: 0 to +40°C, Storage: -40 to +70°C
- Humidity: 95%

Environmental Compliance

- UL2043

Power Specifications

- IEEE 802.3af PoE Power

Power Options

- Power Draw: Typical 9.05W, Max 11W
- 802.3af Power over Ethernet (PoE) capable Gigabit Ethernet port (RJ-45 power input pins: Wires 4,5,7,8 or 1,2,3,6)
- 802.3af Power over Ethernet injector

Mounting

- Desktop
- Wall Mount included as part of AP
- Built-in slot for Kensington type locks

Accessories Sold Separately

- Ceiling Tile Recessed 15/16", 3/8", 9/16" sold as an accessory
- Ceiling Tile flush 3/8", 9/16" sold as an accessory
- Suspend Mount sold as an accessory
- Plenum Mount sold as an accessory

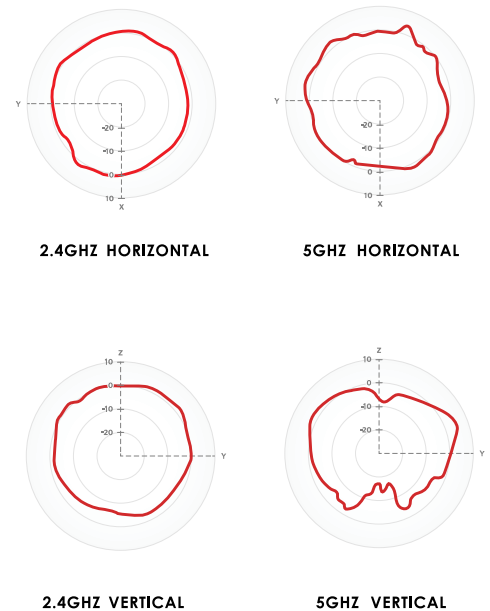
TRANSMIT POWER TABLE

2.4 GHz	DATA RATE	POWER (dBm)
11b	1-11 Mbps	21
11g	6 - 54 Mbps	19 - 16
11n HT20	MCS0 - 12	20
	MCS7, 15	16
5 GHz	DATA RATE	POWER (dBm)
11a	6 - 54 Mbps	19 - 16
11n HT20	MCS0 - 12	19
	MCS7, 15	16
11n HT40	MCS0, 8	19
	MCS7, 15	14
11ac VHT20	MCS0	19
	MCS8	13
11ac VHT40	MCS0	19
	MCS9	12
11ac VHT80	MCS0	19
	MCS9	12

RECEIVE SENSITIVITY TABLE

2.4 GHz	DATA RATE	SENSITIVITY
11b	1-11 Mbps	-99, -91
11g	6 Mbps	-95
	54 Mbps	-77
11n HT20	MCS0 - 12	-94, -81
	MCS7, 15	-74
5 GHz	DATA RATE	SENSITIVITY
11a	6 Mbps	-94
	54 Mbps	-77
11n HT20	MCS0 - 12	-93, -81
	MCS7, 15	-73
11n HT40	MCS0, 8	-93, -90
	MCS7, 15	-74, -71
11ac VHT20	MCS0	-93
	MCS8	-69
11ac VHT40	MCS0	-90
	MCS9	-64
11ac VHT80	MCS0	-87
	MCS9	-61

RADIATION PATTERNS



WARRANTY & SUPPORT

This Aerohive Networks device is backed by a limited lifetime hardware warranty. HiveCare Community Support is included with the Connect Access Point. Optional HiveCare Callback service may also be purchased.

For complete support terms go to www.aerohive.com/support.

