

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)



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 High-Throughput (HT) Support (for both 2.4 GHz and 5 GHz)
- HT40 High-Throughput (HT) Support for 5 GHz
- 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

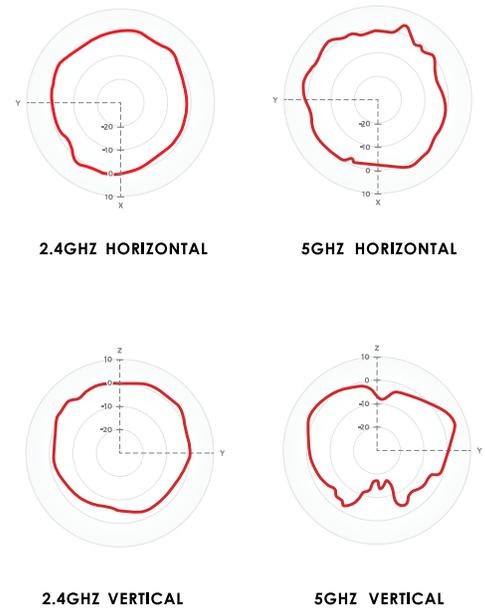
2.4 GHz	DATA RATE	POWER (dBm)
11b	1-11 Mbps	21
11g	6 - 54 Mbps	19 - 16
11n HT20	MCS0 - 12	20
	MCS7, 15	16
5 GHz	DATA RATE	POWER (dBm)
11a	6 - 54 Mbps	19 - 16
11n HT20	MCS0 - 12	19
	MCS7, 15	16
11n HT40	MCS0, 8	19
	MCS7, 15	14
11ac VHT20	MCS0	19
	MCS8	13
11ac VHT40	MCS0	19
	MCS9	12
11ac VHT80	MCS0	19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

Note: Power shown is the power per chain and is the maximum power that the radio is capable of. Power limits will be limited by local radio regulations.

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.

