

DATA SHEET

AP 130

802.11ac Dual-Radio 2x2:2 Access Point with Internal Antennas;
Designed for Density Environments





The AP130 provides high-performance aggregate data rates up to 1167Mbps 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 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.

The AP130 benefits from an AI-driven Wi-Fi architecture capable of self-organizing, self-learning, self-healing and self-optimizing in the most challenging environments. Cooperative Control eliminates single points of failure and bottlenecks, delivering bulletproof stability and unbridled performance, perfectly complementing the unrivalled capabilities of HiveOS - a stateful L2-L7 DPI firewall for context-based access security, advanced and customizable QoS for traffic optimization, intelligent meshing algorithms, Private Pre-Shared Key (PPSK) and much more.

All Aerohive APs can be centrally managed using Aerohive's out-of-band cloud network management system - *HiveManager*. HiveManager is an industry-leading and visionary approach to cloud-managed networking, built from the ground up to take full advantage of the SD-LAN and SD-WAN solution from Aerohive. Working in tandem with Aerohive's cutting-edge HiveOS, HiveManager leverages state-of-the-art cloud technology. Benefit from unified, full-stack management of Wi-Fi, switching and routing, centralized monitoring and configuration, real-time and historical reporting, simplified troubleshooting, integrated RF planner tools and much more.

HiveManager is available in two editions: *Connect* and *Select*. The Connect solution is bundled with Aerohive access points and switches and is free for the lifetime of the device. Connect is the perfect solution for those looking to provide robust, yet enterprise-grade connectivity, without having to invest in the full suite of management features. The optional upgrade to Select unlocks a slew of advanced features and capabilities that enhance network management, security and visibility.

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

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

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

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

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)

Interfaces

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

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

Physical

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

Antennas

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

Mounting

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

Environmental

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

Environmental Compliance

- UL2043

Power and Sensitivity Tables

Power - 2.4 GHz

CHANNEL	DATA RATE	POWER (DBM)
11b	1 - 11 Mbps	21
	6 Mbps	19
11g	54 Mbps	16
	MCS0 - 12	20
11n HT20	MCS7, 15	16

Receive Sensitivity - 2.4 GHz

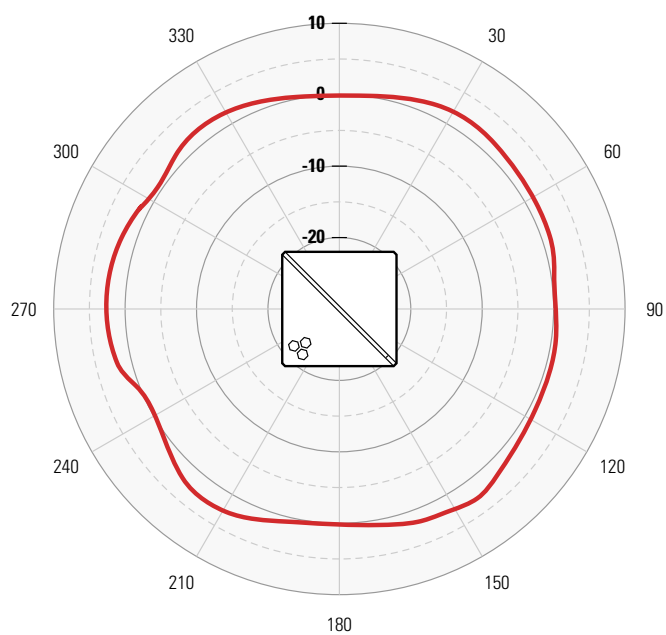
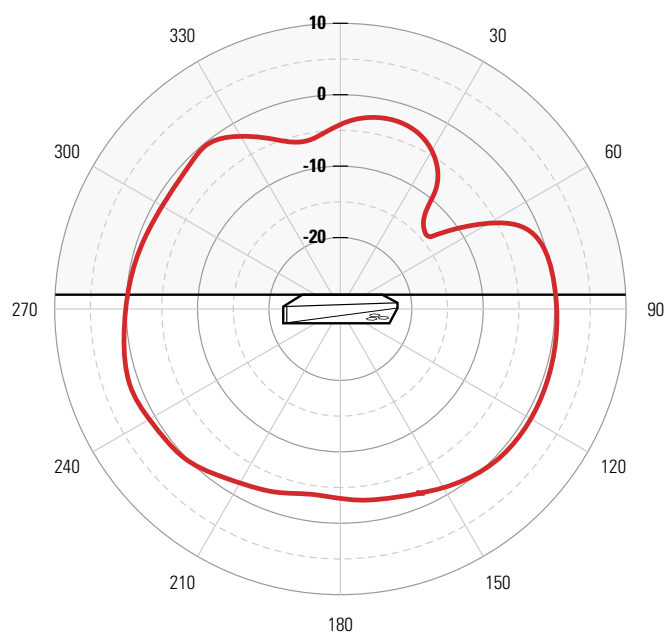
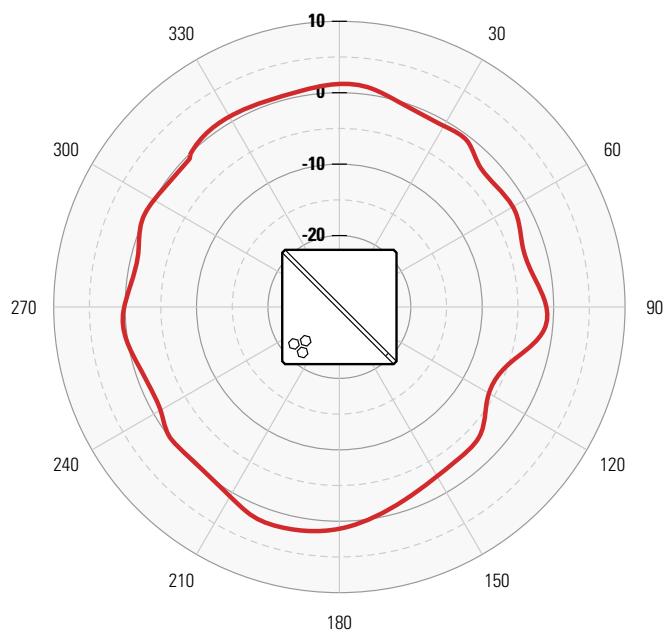
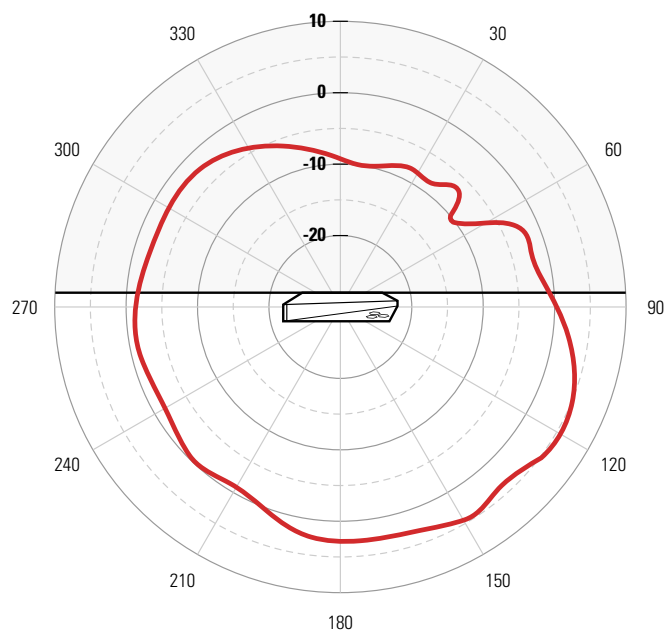
CHANNEL	DATA RATE	SENSITIVITY
11b	1 - 11 Mbps	-99, -91
	6 Mbps	-95
11g	54 Mbps	-77
	MCS0 - 12	-94, -81
11n HT20	MCS7, 15	-74

Power - 5 GHz

CHANNEL	DATA RATE	POWER (DBM)
11a	6 Mbps	19
	54 Mbps	16
11n HT20	MCS0 - 12	19
	MCS 7, 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 - 5 GHz

CHANNEL	DATA RATE	SENSITIVITY
11a	6 Mbps	-94
	54 Mbps	-77
11n HT20	MCS0 - 12	-93, -81
	MCS 7, 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 – Azimuth & Elevation**Azimuth - 2.4 GHz****Elevation - 2.4 GHz****Azimuth - 5 GHz****Elevation - 5 GHz**

AP130- SKUs

SKU	DESCRIPTION
AH-AP-130-AC-XX	AP130, indoor plenum rated, 2 radio 2x2:2 802.11a/b/g/n/ac, 1 10/100/1000 Ethernet port, without power supply (Internal Antenna only). Includes HiveManager Connect & HiveCare Community. (Regulatory Domains available: FCC, CE, W (World))

AP130 - MISCELLANEOUS SKUs

SKU	DESCRIPTION
AH-ACC-INJ-30W-UK	30W PoE power injector with UK power cord for AP122,AP122X,AP130, AP200 series,AP550,AP630,AP650 and AP650X
AH-ACC-INJ-30W-US	30W PoE power injector with US power cord for AP122,AP122X,AP130, AP200 series,AP550,AP630,AP650 and AP650X
AH-ACC-PLENUM-KIT	AP130,AP230, AP245X, AP250, AP550 Plenum Bracket Kit
AH-ACC-RBR-FT	Rubber feet for AP130/AP200 series/AP550
AH-ACC-SEC-BIT-3PK	AP122,AP122X,AP130,AP230, AP245X, AP250, AP550 security screw bit (3pk)
AH-ACC-SEC-KIT	Security bracket, screws and security screw bit for AP122,AP122X, AP130, AP230, AP245x, AP250
AH-ACC-BKT-916-KIT	AP122, AP122X, AP130, AP200 series/AP500 series 9/16" ceiling mount brackets for recessed and flush ceiling tiles
AH-ACC-BKT-AC-KIT	AP122, AP122X, AP130, AP200 series/AP500 series 15/16" ceiling mount brackets for recessed and non-recessed ceiling tiles
AH-ACC-BKT-AC-WALL	AP122, AP122X, AP130/AP230/AP245X/AP250,AP550 wall mounting and 15/16" ceiling mount bracket
AH-ACC-BKT-SILINT-KT	AP122, AP122X, AP130,AP230/AP245X/AP250 ,AP550 Mounting bracket kit for Silhouette and Interlude ceiling types
AH-ACC-BKT-SU-KIT	AP122,AP122X,AP130,AP230,AP245X, AP250, AP550 Suspend Bracket Kit
AH-ACC-BKT-WP-KIT	Wall plate bracket kit for AP122, AP122X, AP130, AP230, AP245X, AP250,AP550 Includes the bracket and security screws
AH-ACC-INJ-20W-AU	20W PoE power injector with Australia/New Zealand power cord for AP100 series
AH-ACC-INJ-20W-EU	20W PoE power injector with EU power cord for AP100 series
AH-ACC-INJ-20W-UK	20W PoE power injector with UK power cord for AP100 series
AH-ACC-INJ-20W-US	20W PoE power injector with US power cord for AP100 series
AH-ACC-INJ-30W-AU	30W PoE power injector with Australia/New Zealand power cord for AP122,AP122X,AP130, AP200 series,AP550,AP630,AP650 and AP650X
AH-ACC-INJ-30W-EU	30W PoE power injector with EU power cord for AP122,AP122X,AP130, AP200 series,AP550,AP630,AP650 and AP650X

