AP130 ACCESS POINT

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 867Mbps in the 5GHz band. It supports dual concurrent 2.4Ghz 802.11b/g/n and 5Ghz 802.11a/n/ac radios. Designed for high density environments, the 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. The 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 provides cloud-managed connectivity built on Aerohive's industry-first cooperative control Wi-Fi focused on optimizing speed and resilience. The AP130 is centrally managed from HiveManager, allowing for simple, fast, and powerful management.

ENTERPRISE CONNECTIVITY

- Trusted Platform Module (TPM) – Hardware-based key storage and encryption
- Encryption: AES/CCMP, TKIP, and RC4 (WEP only)

CLOUD or ON-PREM MANAGEMENT*

- Application Visibility and Control
- Historical Dashboard and Troubleshooting
- Guest Self-registration and Mobile Apps
- Aerohive PPSK
- Advanced QoS
- Role Based Access Controls
- Rogue Detection and PCI Compliance
- Dell Switch Management

Basic features
- 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

*Non-basic features, On-prem management and Dell switch management enabled with available HiveManager license

WIRELESS SUPPORT

- Dell EMC HiveManager License to manage the access point with comprehensive ProSupport for Software is also available
- Enterprise ProSupport and ProSupport Plus services are also available
- HiveNation Community based support is included with the Access Point

PRODUCT SKUS

SKU	DESCRIPTION
210-AOBO	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)
210-AOBV	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)

PRODUCT SPECIFICATIONS

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 fallbackRates

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
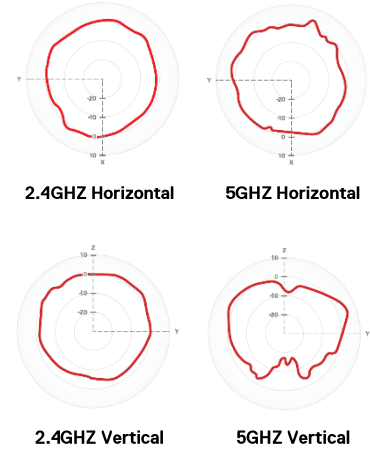- Suspend Mount sold as an accessory
- Plenum Mount sold as an accessory

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TRANSMIT POWER TABLE

2.4 GHZ	Data Rate	Power (dBm)
11b	1 – 11 Mbps	21
11g	6 - 5 Mbps	19 – 16
11n HT20	MCS0 – 12	20
	MCS7, 5	16

5 GHZ	Data Rate	Power (dBm)
11a	6 - 5 Mbps	19 - 16
11n HT20	MCS0 – 12	19
	MCS7 – 12	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 HT20	MCS0	-93
	MCS0	-69
11ac HT40	MCS0	-90
	MCS9	-64
11ac HT80	MCS0	-87
	MCS9	-61

RADIATION PATTERNS

2.4GHZ Horizontal   5GHZ Horizontal

2.4GHZ Vertical   5GHZ Vertical

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.

WARRANTY & SUPPORT

This product is backed by a Dell EMC Extended Life Limited Hardware Warranty (ELW). For warranty terms, go to Dell.com/LifetimeWarranty.

When an Access Point is managed with an active Dell HiveManager License, it includes ProSupport for Software HiveManager coverage. Additional Access Point hardware and software support is available with the Dell EMC ProSupport Enterprise Suite. Installation and configuration services are also available with the Dell EMC ProSupport Enterprise Suite.

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