

AP250 ACCESS POINT

High-performance, general-purpose, 802.11ac Wave 2 dual-radio 3x3:3 access point

The AP250 is an excellent choice for providing instant adaptation to ever-changing capacity needs. The AP250 features dual radio, 3x3:3 MU MIMO, providing full 802.11ac technology performance with data rates of up to 2.6Gbps per access point using existing 802.3af PoE infrastructure.

While the AP250 inherits the signature elements of Aerohive access points, such as the powerful HiveOS and innovative distributed Cooperative Control architecture, it also includes new features such as built-in BLE (Bluetooth Low-Energy) and software-defined radio. Built-in BLE radio enables proximity, indoor location tracking and other location-based mobile engagement services. Software defined radio allows IT managers to enable 802.11ac performance on both radios to provide the best of coverage and capacity.

The AP250 provides cloud-managed connectivity built on Aerohive's industry-first cooperative control Wi-Fi focused on optimizing speed and resilience. The AP250 is centrally managed from HiveManager, allowing for simple, fast, and powerful management.



ENTERPRISE CONNECTIVITY

- 3x3 Wave 2 802.11ac technology with MU-MIMO capability and 3 spatial streams
- Software configurable radio for dual 5 GHz operation
- Built-in Bluetooth Low Energy for iBeacon/other beacon technologies
- IoT readiness with USB port
- Full performance with IEEE 802.3af power
- Trusted Platform Module (TPM) – Hardware-based key storage and encryption
- RF-IQ antenna and radio technology



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



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.

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

PRODUCT SKUS

SKU	DESCRIPTION
210-AOCX	AP250, indoor rated, dual radio 3x3 802.11a/b/g/n/ac, 2 x 10/100/1000, FCC regulatory domain, without POE injector
210-AOCY	AP250, indoor rated, dual radio 3x3 802.11a/b/g/n/ac, 2 x 10/100/1000, configurable regulatory domain, without POE injector
210-AOCW	AP250, indoor rated, dual radio 3x3 802.11a/b/g/n/ac, 2 x 10/100/1000, without POE injector, CAN

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

- 2.4–2.5GHz 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
- 20 dBm (100 mW) Transmit Power
- 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–MCS23 (6.5Mbps - 450Mbps)
- 3x3:3 Stream 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 - 1300Mbps), NSS = 1-3.
- 3x3:3 Stream Multiple-In, Multiple-Out (MIMO) Radio
- VHT20/VHT40/VHT80 support

Included Mounting Options

- Wall Mount
- Ceiling Tile flush 15/16" and Wall Mount locking accessory included with AP

Mounting

- Desktop
- 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
- Silhouette and Interlude sold as an accessory

Antennas

- 6 + 2 internal Wi-Fi antennas for spatial and polarization diversity
- 1x BLE internal antenna

Interfaces

- Two Autosensing 10/100/1000 Base-T Ethernet ports. PoE/PoE+ capability on one of the ports
- RJ-45 console port
- Standard USB port

Physical

- WxDxH: 7.25" x 7.25" x 1.87" (18.4 cm x 18.4 cm x 1.87cm) [plus .25", mounting hardware – 2.12" (5.4 cm) H total]
- Weight: 1.8 lb (0.81 kg)

Environmental

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

Environmental Compliance

- UL2043

Power Specifications

- IEEE 802.3af PoE Power: Full 3x3:3 802.11ac MU-MIMO performance, BLE and Dual 5 GHz. No USB port, no 2nd Ethernet port.
- IEEE 802.3at PoE Power: full set of features (all of the above plus USB port and 2nd Ethernet port).

Power Options

- Power Draw: Typical PoE 11.75W, Max PoE 16.07W

Certifications

- WPA/WPA2
- Voice-Enterprise

TRANSMIT POWER TABLE

2.4 GHZ	Data Rate	Power (dBm)
11b	1, 2, 5.5, 11	20
11g	54 Mbps	17
	48 Mbps	18
	36 Mbps	19
	6 Mbps	19
11n HT20	MCS7, 15, 23	17
	MCS6, 14, 22	18
	MCS5, 13, 21	19
	MCS0, 1, 2, 3, 4	19
	MCS8, 9, 10, 11, 12	19
	MCS16, 17, 18, 19, 20	19
5 GHZ	Data Rate	Power (dBm)
11a	54 Mbps	17
	48 Mbps	18
	36 Mbps	19
	6 Mbps	19
11n HT20	MCS7, 15, 23	17
	MCS6, 14, 22	18
	MCS5, 13, 21	19
	MCS0, 2, 3, 4, 8, 9, 10, 11	19
11n HT40	MCS7, 15, 23	17
	MCS6, 14, 22	18
	MCS5, 13, 21	19
	MCS0, 1, 2, 3, 4, 8	19
	MCS9, 10, 11, 12, 16	19
11ac VHT	256QAM@3/4 Code Rate	14
	256QAM@5/6 Code Rate	13

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

WARRANTY & SUPPORT

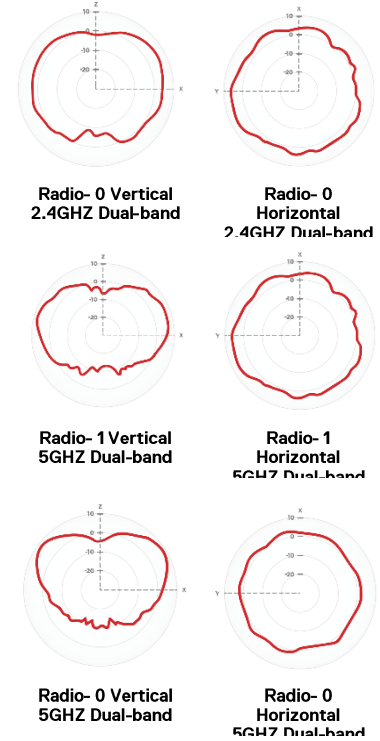
This product is backed by a Dell EMC Extended Life Limited Hardware Warranty (ELW). For warranty terms, go to Dell.com/LifetimeWarranty.

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](#).

RECEIVE SENSITIVITY TABLE

2.4 GHZ	Data Rate	Sensitivity
11b	1 Mbps	-100
	11 Mbps	-93
11g	6 Mbps	-95
	36 Mbps	-86
	48 Mbps	-82
	54 Mbps	-80
11n HT20	MCS0, 8, 16	-95
	MCS5, 13, 21	-81
	MCS6, 14, 22	-79
	MCS7, 15, 23	-77
5 GHZ	Data Rate	Sensitivity
11a	6 Mbps	-95
	36 Mbps	-86
	48 Mbps	-81
	54 Mbps	-80
11n HT20	MCS0, 8, 16	-91
	MCS5, 13, 21	-78
	MCS6, 14, 22	-76
11n HT40	MCS7, 15, 23	-74
	MCS0, 8, 16	-88
	MCS5, 13, 21	-75
	MCS6, 14, 22	-73
11ac HT20	Code Rate 3/4	-65
	Code Rate 5/6	-63
11ac HT40	Code Rate 3/4	-62
	Code Rate 5/6	-60
11ac HT80	Code Rate 3/4	-59
	Code Rate 5/6	-57

RADIATION PATTERNS



IT Lifecycle Services for Networking

Experts, insights and ease

Our highly trained experts, with innovative tools and proven processes, help you transform your IT investments into strategic advantages.



Plan & Design



Deploy & Integrate



Educate



Manage & Support



Retire

Learn more at Dell.com/lifecycle services

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