Data Sheet

AP5020 Access Point

Highlights

- Wi-Fi 7 technology - high throughput, low latency, and extended range
- Manageable by Extreme Platform ONE™, ExtremeCloud™ IQ/Controller
- Extreme Platform ONE Security policy enforcement, Fabric integration

AP Features

Five Radio Design

- 2.4 GHz (4x4:4)
- 5 GHz (4x4:4)
- 6 GHz (4x4:4)
- Dual IoT radios
- 2x2 Tri-frequency sensor

Operational Modes

- 2.4 GHz/5 GHz/6 GHz
- 5 GHz/6 GHz + tri-frequency sensor
- 5 GHz/5 GHz + 6 GHz
- 2.4 GHz/5 GHz + tri-frequency sensor
- 5 GHz/5 GHz + 2.4 GHz
- 6 GHz/6 GHz + 5 GHz

Cellular Coexistence Filter (CCF)

- Minimizes the impact of interference from cellular networks

Power

- Fully Functional with 802.3bt
- Wi-Fi 7 Functionality with 802.3at
- Built-in PoE Failover or PSE (PoE Out)



Flexible, Highly Secure and Cloud-Managed Wi-Fi 7 Access Point

The AP5020 is a premium-tier Wi-Fi 7 access point (AP) that delivers enhanced wireless experiences, faster speeds, and a range of use cases. This AP is built on Extreme's Universal Hardware Platform technology, enabling deployment flexibility, and it leverages Extreme Platform ONE™ AIOps management to provide improved user experiences.

The AP5020, with three 4x4:4 radios, provides high-efficiency, high-performance 802.11be aggregate data rates of up to 20 Gbps in the 6 GHz, 5 GHz, and 2.4 GHz bands. Designed for high density environments, such as schools, warehouses, healthcare facilities, and stadiums, it is powerful and intelligent enough to provide the highest level of client services without compromising security. Despite advanced capabilities, the AP5020 can operate with fully featured performance capabilities using 802.3bt PoE, simplifying power capacity planning.

With more users, more devices, more applications, and more threats straining the infrastructure, the AP5020 was engineered to meet those challenges. It combines powerful 802.11be Wi-Fi 7 technology, advanced security, and AIOps management capabilities together as an enterprise-class solution that allows you to deploy high speed, highly secure Wi-Fi into high-density environments.

Unlike other APs that scan only part time, the AP5020 features a dedicated 2x2 tri-frequency sensor that monitors for rogue devices full time, eliminating the risk of vulnerability and attacks. This tri-radio AP is capable of multiple operational modes, optimizing for maximum performance and security, and features additional dual IoT radios, removing complexity by supporting multiple simultaneous IoT use cases.

Business Benefits and Outcomes

Improve Operational Efficiency

The AP5020 is part of a complete wired and wireless solution that includes AI, Extreme's Universal Wired portfolio and access security. Using powerful 802.11be Wi-Fi 7 technology, this solution allows deployment of high-speed and highly secure Wi-Fi into a broad range of environments including high-density venues. Operational efficiency is improved through powerful cloud-based management capabilities offered by Extreme Platform ONE or ExtremeCloud IQ across the wired and wireless infrastructure.

Reduce Risk

With more users, more devices, more applications, and more threats straining the network, the AP5020 was engineered to meet these performance and security challenges. Unlike other APs that scan only part time, the AP5020 features a dedicated tri-frequency sensor that monitors rogue devices full time, eliminating the risk of vulnerability and attacks. The AP5020, as part of the Extreme Universal Wireless portfolio, allows the user to change an operating system use case without changing the hardware, providing deployment flexibility.

Enhance User Experiences

The enhanced user experience with a Wi-Fi 7 AP5020 access point is marked by ultra-high speeds, low latency, and exceptional connectivity, even in dense or complex environments. Leveraging Wi-Fi 7's Extremely High Throughput (EHT) technology, users enjoy faster downloads, smoother streaming, and more responsive real-time applications like video conferencing and data intensive tasks.

Network Management Flexibility

The AP5020 can be flexibly managed by Extreme Platform ONE or ExtremeCloud IQ from the cloud or on premises.

Extreme Platform ONE™

Extreme Platform ONE is an enterprise connectivity platform that integrates networking and security with AI into one powerful and radically simplified experience and licensing model. It supports NetOps, SecOps, and business teams with built in automation and enables organizations to regain control, unlock innovation, and boost productivity through:

- One integrated experience that is easy to use.
- Automation through built-in AI that boosts productivity, reducing cycle time for many tasks from hours to minutes.
- Simplified licensing that makes the solution as easy to buy as it is to use.
- AI driven workflows for configuration, deployment, and management.
- Inventory management simplifies budgeting, planning and compliance.

Wi-Fi 7 (802.11be) Technology

Wi-Fi 7 (802.11be) introduces benefits across the 2.4 GHz, 5 GHz, and 6 GHz bands with reduced latency and jitter for time-sensitive networking applications. Wi-Fi 7 capabilities such as 320 MHz channels, 4K-QAM, and Multi-Link Operation (MLO) helps enable superior speeds and high-density performance. The 6 GHz band enables improved quality of service (QoS) in dense environments, new applications and use cases, and an improved user experience.

*Country dependent

Software-Defined Radios

The AP5020 features the industry's first software-defined Wi-Fi 7 AP that supports not only dual 5 GHz and dual 6 GHz capabilities, but also multiple additional software programmable modes to optimally manage radios to provide the highest level of client performance. The AP5020 is a tri-radio AP that can transmit with multiple combinations of three data radios across the 2.4 GHz, 5 GHz, and 6 GHz bands in addition to a dedicated tri-frequency sensor. The AP5020 intelligently monitors the software-configurable radios, enabling network managers to configure network RF technology based on the user environment and to configure the APs in different modes as required. The AP5020 features superior tri-frequency radio performance with a multiband filter that reduces interference and enables 5 GHz and 6 GHz operation across all available channels without restrictions.

Modern IoT Platform

The AP5020 features dual IoT radios enabling multiple concurrent IoT use cases and eliminates the need for an overlay infrastructure with improved performance and reduced complexity of multiple wireless networks. To support both IoT and guest engagement services, the AP5020 integrates Bluetooth® to connect with IoT devices wirelessly and to engage loyal customers with Apple iBeacon. Enterprises can use API-driven applications to send advertisements directly to shoppers, guests, and conference attendees. This makes it ideal for businesses to advertise their app, download pages, captive portals, or site-specific information.

Universal Hardware

The AP5020 is built with Extreme's Universal Hardware technology that allows multiple deployment use cases through a simple change of the software or feature set. This technology allows the user to choose between operating systems tailored to work with cloud- or controller- based management. The desired persona can be selected at startup or changed later. Universal hardware platforms increase flexibility and reduce obsolescence by allowing customers to gradually adopt new technologies without the need for a rip and replace approach to their hardware.

Offered with a Universal World SKU AP, the AP5020 allows customers, partners, and distributors to order one model for any region where Extreme Networks products are sold, replacing the age-old problem of country-specific models.

Security

The AP5020 delivers the highest level of security services, beginning with support for the latest Wi-Fi Alliance WPA3 security certifications. It acts as an enforcement point for Extreme Platform ONE Security – the industry's most complete network access security solution. Extreme Platform ONE Security provides automated security policy enforcement and manages SSIDs to enforce policies on the AP5020. Extreme Fabric adds additional security by automating provisioning and deployment by connecting to a Fabric-enabled switch. Additionally, the AP supports a stateful L2-L7 DPI firewall for context-based access security, tri-frequency security, a location analytics sensor, and much more. The AP5020 also includes a unique dedicated security sensor for rich insights and threat detection when paired with AirDefense Essentials, which is part of an Extreme Platform ONE or ExtremeCloud IQ Pilot license.

Product Specifications

Radio Specifications

Max Users

- SSID per radio/total: 16/48
- Users per radio/total: 512/1536

802.11a

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

802.11n

- 2.4 GHz–2.5 GHz and 5.150–5.850 GHz Operating Frequency
- 802.11n Modulation
- 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
- Rates (Mbps): MCS0 – MCS31 (6.5 Mbps – 600 Mbps)

802.11ac

- 5.150 GHz–5.850 GHz Operating Frequency
- 802.11ac Modulation (256-QAM)
- 5G: 4x4 Multiple-In, Multiple-Out (MIMO) Radio
- 2.4G: 4x4 Multiple-In, Multiple-Out (MIMO) Radio
- Rates (Mbps): MCS0–MCS9 (6.5 Mbps), 3,466 Mbps, NSS = 1-4.
- 4x4:4 Stream Multiple-In, Multiple-Out (MIMO) Radio VHT20/VHT40/VHT80/VHT160
- TxBF (Transmit Beamforming)

802.11ax

- 2.4 GHz-2.5 GHz, 5.15 GHz-5.850 GHz and 5.925 GHz-7.125 GHz Operating Frequencies
- 802.11ax Modulation (1024-QAM)
- Dual-band OFDMA
- Rates (Mbps):
  - 6G: HE0-HE11 (8 Mbps– 9,600 Mbps)
  - 5G: HE0-HE11 (8 Mbps– 4,800 Mbps)
  - 2.4G: HE0-HE11 (8 Mbps– 1,148 Mbps)
- 4x4:4 Stream MIMO Radio at 6 GHz
- 4x4:4 Stream MIMO Radio at 5 GHz
- 4x4:4 Stream MIMO Radio at 2.4 GHz
- HE20/HE40/HE80/HE160 support for 6 GHz HE20/HE40/HE80/HE160 support for 5 GHz
- HE20/HE40 support for 2.4 GHz
- UL/DL SU-MIMO and MU-MIMO
- TxBF (Transmit Beamforming)

802.11be

- 2.4 GHz–2.5 GHz, 5.15 GHz–5.850 GHz, and 5.925 GHz–7.125 GHz Operating Frequencies
- 802.11be modulation (4096-QAM)
- Rates (Mbps):
  - 6G: EHT0-EHT13 (8 Mbps–11,500 Mbps)
  - 5G: EHT0-EHT13 (8 Mbps–5,700 Mbps)
  - 2.4G: EHT0-EHT13 (8 Mbps–1,300 Mbps)
- 4x4:4 stream MIMO radio at 6 GHz
- 4x4:4 stream MIMO radio at 5 GHz
- 4x4:4 stream MIMO radio at 2.4 GHz
- EHT20/EHT40/EHT80/EHT160/EHT320 support for 6 GHz EHT20/EHT40/EHT80/EHT160 support for 5 GHz
- EHT20/EHT40 support for 2.4 GHz
- UL/DL SU-MIMO and MU-MIMO
- TxBF (Transmit Beamforming)

Dual IoT Radios

- (2) radios for Thread, Zigbee®, Bluetooth 5.4 Low Energy, IEEE 802.15.4

Internal Antennas

- (4) dual band 2.4 GHz and 5 GHz
- (4) single band 6 GHz
- (2) 5 GHz/6 GHz sensor
- (3) IoT sensor

Interfaces

- Eth0, Eth1: (2) wired Ethernet ports (RJ45)
  - Eth0: 100/1,000/2,500/5,000/10,000 Mbps autosensing link speed Ethernet port, PoE PD
  - Eth1: 100/1,000/2,500/5,000 Mbps autosensing link speed Ethernet port, PoE PD in or 15.4W PSE out mode (requires 802.3bt on Eth0)
- 802.3az Energy-Efficient Ethernet (EEE)
- USB 2.0, Type A, 5V/500mA with POE 802.3at or 5V/1,000mA with PoE 802.3bt

Power Options

- Power draw: 802.3at PoE: typical 21W, max. 25.5W (802.3at profile) w/o PoE out or USB
- Power draw: 802.3bt: typical 28W w/o USB, max 39.6W with 5W USB, 33.6W w/o USB
- 12V DC/3A. DC power has priority when both DC and PoE power sources are available
- PoE failover or optional PSE (PoE out) supported

Physical Specifications

Model	Dimensions	Weight
AP5020	10.16" x 10.16" x 1.62" (258 mm x 258 mm x 41 mm)	3.57 lbs. (1.62 kg)

Security

- Kensington lock slot
- Trusted Platform Module (TPM)

Mounting

- AP support 15/16 in. flush ceiling tile included in the box
- Wall mount included in the box or sold as an accessory
- Sculpted ceiling tile 15/16 in. wide t-bar sold as an accessory
- Sculpted ceiling tile 9/16 in. wide t-bar sold as an accessory
- Beam sold as an accessory
- Junction box sold as an accessory
- IL or 9/16 in. t-bar sold as an accessory
- SL (Silhouette) sold as an accessory
- WiNG main plate adaptor sold as an accessory
- Built-in slot for Kensington

Environmental

Environmental Specifications

- Operating: 0°C to 50°C (32°F to 122°F)
- Storage: 0°C to 70°C (32°F to 158°F)
- Humidity: 0% to 95% (non-condensing)

Environmental Compliance

- EU RoHS – 2011/65/EU and Amendments (EU) 2015/863
- EU WEEE – 2012/19/EU
- EU REACH - Regulation (EC) No 1907/2006 – Reporting
- EU SCIP – EU Waste Framework Directive
- China RoHS – 2 SJ/T 11364-2014
- Taiwan RoHS CNS 15663 (2013.7)

Regulatory Compliance

Radio Standards USA

- Part 15C - 15.247
- Part 15E - 15.407
- RF exposure - FCC Part 1.1307
- IEC 60601-1-2 EMC for medical devices

Radio Standards Canada

- RSS 247 for 2.4 GHz and 5 GHz
- RSS 248 6 GHz RLAN
- RF exposure - RSS-102: Issue 5, 2015

Radio Standards CE

- 2014/53/EU Radio Equipment Directive
- EN 300 328, EN 301 893, EN 303 687, EN 300 440
- EN 301 489 1, EN 301 489 17, EN 62311, EN 50385

Regulatory and Safety

North American ITE

- UL 60950-1 2nd Edition listed device (U.S.)
- CSA 22.2 No. 60950-1 2nd Edition 2014 (Canada)
- U/CuL 62368-1 Listed
- UL 2043 Plenum rated

European ITE

- EN 62368-1
- 2014/35/EU Low Voltage Directive

International ITE

- IEC 60950-1 + National Differences
- CB IEC 62368-1 2nd Edition + National Differences
- CB IEC 62368-1 1st and 3rd Editions + National Differences
- AS/NZS 60950-1 (Australia/New Zealand)

EMI/EMC Standards

North American EMC Standards

- FCC CFR 47 part 15 Class B (USA)
- ICES-003 Class B (Canada)

European EMC Standards

- EN 55032 Class B
- EN 55035
- EN 55011
- EN 60601-1-2
- EN 61000-3-2: (Harmonics)
- EN 61000-3-3 (Flicker)
- 2014/30/EU EMC Directive

International EMC Certifications

- CISPR 32 Class B (International Emissions)
- CISPR 11
- AS/NZS CISPR32
- CISPR 35 (International Immunity)

Wi-Fi Alliance Certifications

Connectivity	Wi-Fi CERTIFIED™ 7 Wi-Fi CERTIFIED™ 6 Release 2 Wi-Fi CERTIFIED™ a, b, g, n, ac Wi-Fi Enhanced Open™	Wi Fi 7 CERTIFIED
Optimization	WMM® Wi-Fi Agile Multiband™	
Security	Protected Management Frames WPA™ – Enterprise, Personal WPA2™ – Enterprise, Personal WPA3™ – Enterprise, Personal	

Power and Sensitivity Tables

Power and Sensitivity – 2.4G Radio

Channel	Data Rate	Power (dBm)	Sensitivity (dBm)
11b	1 – 11 Mbps	18	-93, -87
11g	6 Mbps	18	-93
	54 Mbps	16	-75
11n HT20	MCS0,7	18, 16	-92, -74
11n HT40	MCS0,7	18, 16	-90, -72
11ax HE20	HE0,11	18, 14	-92, -62
11ax HE40	HE0,11	18, 14	-90, -60
11be EHT20	EHT1,13	18, 12	-91, -56
11be EHT40	EHT1,13	18, 12	-88, -53

Power and Sensitivity – 5G Full Radio

Channel	Data Rate	Power (dBm)	Sensitivity (dBm)
11a	6 Mbps	18	-92
	54 Mbps	16	-73
11n HT20	MCS0,7	18, 16	-92, -73
11n HT40	MCS0,7	18, 16	-90, -71
11ac VHT20	MCS0,8	18, 15	-92, -70
11ac VHT40	MCS0,9	18, 15	-90, -65
11ac VHT80	MCS0,9	18, 15	-88, -63
11ac VHT160	MCS0,9	18, 15	-85, -61
11ax HE20	HE0,11	18, 14	-91, -62
11ax HE40	HE0,11	18, 14	-89, -60
11ax HE80	HE0,11	18, 14	-87, -58
11ax HE160	HE0,11	18, 14	-85, -56
11be EHT20	EHT0,13	18, 12	-91, -54
11be EHT40	EHT0,13	18, 12	-88, -52
11be EHT80	EHT0,13	18, 12	-85, -49
11be EHT160	EHT0,13	18, 12	-82, -46

Power and Sensitivity – 5G Radio – Sensor

Channel	Data Rate	Power (dBm)	Sensitivity (dBm)
11a	6 Mbps	18	-92
	54 Mbps	16	-73
11n HT20	MCS0,7	18, 16	-92, -73
11n HT40	MCS0,7	18, 16	-90, -71
11ac VHT20	MCS0,8	18, 15	-92, -70
11ac VHT40	MCS0,9	18, 15	-90, -65
11ac VHT80	MCS0,9	18, 15	-88, -63
11ac VHT160	MCS0,9	18, 15	-85, -61
11ax HE20	HE0,11	18, 14	-91, -62
11ax HE40	HE0,11	18, 14	-89, -60
11ax HE80	HE0,11	18, 14	-87, -58
11ax HE160	HE0,11	18, 14	-85, -56
11be EHT20	EHT0,13	18, 12	-91, -54
11be EHT40	EHT0,13	18, 12	-88, -52
11be EHT80	EHT0,13	18, 12	-85, -49
11be EHT160	EHT0,13	18, 12	-82, -46

Power and Sensitivity – 5G High and 5G Low Radio

Channel	Data Rate	Power (dBm)	Sensitivity (dBm)
11a	6 Mbps	16	-92
	54 Mbps	15	-73
11n HT20	MCS0,7	16, 14	-92, -73
11n HT40	MCS0,7	16, 14	-90, -71
11ac VHT20	MCS0,8	16, 13	-92, -70
11ac VHT40	MCS0,9	16, 13	-90, -65
11ac VHT80	MCS0,9	16, 13	-88, -63
11ac VHT160	MCS0,9	16, 13	-85, -61
11ax HE20	HE0,11	16, 12	-91, -62
11ax HE40	HE0,11	16, 12	-89, -60
11ax HE80	HE0,11	16, 12	-87, -58
11ax HE160	HE0,11	16, 12	-85, -56
11be EHT20	EHT0,13	16, 10	-91, -54
11be EHT40	EHT0,13	16, 10	-88, -52
11be EHT80	EHT0,13	16, 10	-85, -49
11be EHT160	EHT0,13	16, 10	-82, -46

Power and Sensitivity – 6G Full Radio

Channel	Data Rate	Power (dBm)	Sensitivity (dBm)
11a	6 Mbps	18	-91
	54 Mbps	16	-73
11n HT20	MCS0,7	18, 16	-91, -73
11n HT40	MCS0,7	17, 15	-88, -70
11ac VHT20	MCS0,8	17, 15	-91, -69
11ac VHT40	MCS0,9	17, 14	-88, -65
11ac VHT80	MCS0,9	17, 14	-85, -62
11ac VHT160	MCS0,9	17, 14	-82, -59
11ax HE20	HE0,11	18, 14	-91, -62
11ax HE40	HE0,11	17, 13	-88, -59
11ax HE80	HE0,11	17, 13	-85, -56
11ax HE160	HE0,11	17, 13	-82, -53
11be EHT20	EHT0,13	18, 12	-91, -55
11be EHT40	EHT0,13	17, 11	-88, -52
11be EHT80	EHT0,13	17, 11	-85, -49
11be EHT160	EHT0,13	17, 11	-82, -46
11be EHT320	EHT0,13	17, 11	-79, -43

Power and Sensitivity – 6G Radio – Sensor

Channel	Data Rate	Power (dBm)	Sensitivity (dBm)
11a	6 Mbps	18	-91
	54 Mbps	16	-73
11n HT20	MCS0,7	18, 16	-91, -73
11n HT40	MCS0,7	17, 15	-88, -70
11ac VHT20	MCS0,8	17, 15	-91, -69
11ac VHT40	MCS0,9	17, 14	-88, -65
11ac VHT80	MCS0,9	17, 14	-85, -62
11ac VHT160	MCS0,9	17, 14	-82, -59
11ax HE20	HE0,11	18, 14	-91, -62
11ax HE40	HE0,11	17, 13	-88, -59
11ax HE80	HE0,11	17, 13	-85, -56
11ax HE160	HE0,11	17, 13	-82, -53
11be EHT20	EHT0,13	18, 12	-91, -55
11be EHT40	EHT0,13	17, 11	-88, -52
11be EHT80	EHT0,13	17, 11	-85, -49
11be EHT160	EHT0,13	17, 11	-82, -46
11be EHT320	EHT0,13	17, 11	-79, -43

Power and Sensitivity – 6G High and 6G Low Radio

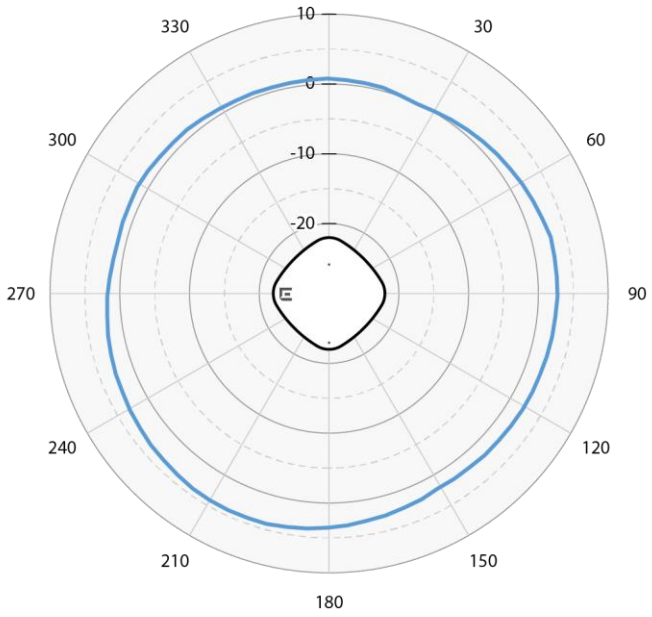
Channel	Data Rate	Power (dBm)	Sensitivity (dBm)
11a	6 Mbps	16	-91
	54 Mbps	14	-73
11n HT20	MCS0,7	16, 14	-91, -73
11n HT40	MCS0,7	16, 14	-88, -70
11ac VHT20	MCS0,8	16, 13	-91, -69
11ac VHT40	MCS0,9	16, 13	-88, -65
11ac VHT80	MCS0,9	16, 13	-85, -62
11ac VHT160	MCS0,9	16, 13	-82, -59
11ax HE20	HE0,11	16, 12	-91, -62
11ax HE40	HE0,11	16, 12	-88, -59
11ax HE80	HE0,11	16, 12	-85, -56
11ax HE160	HE0,11	16, 12	-82, -53
11be EHT20	EHT0,13	16, 10	-91, -55
11be EHT40	EHT0,13	16, 10	-88, -52
11be EHT80	EHT0,13	16, 10	-85, -49
11be EHT160	EHT0,13	16, 10	-82, -46
11be EHT320	EHT0,13	16, 10	-79, -43

Antenna Gain Matrix

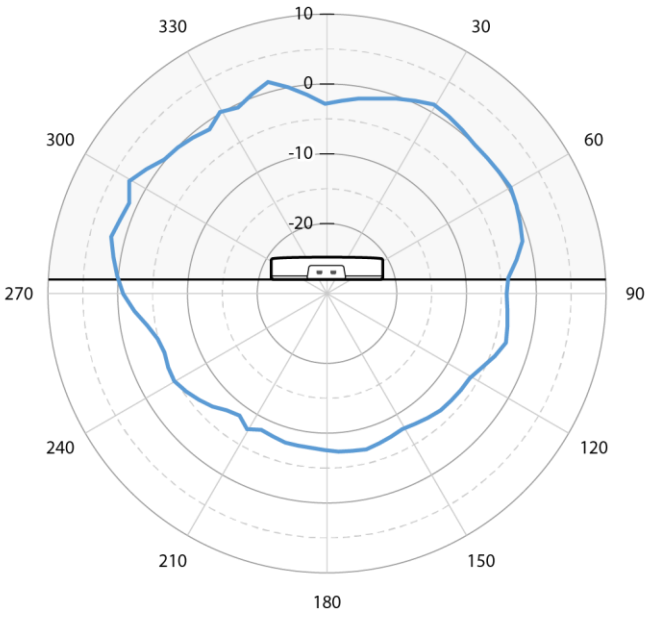
Operational Mode	Radio 1	Radio 2	Radio 3	IoT Radio
Mode 1	2.4G – 3.2dBi	5G – 5.1dBi	6G – 6dBi	4.2dBi
Mode 2	2.4G – 3.2dBi 5G – 4.2dBi 6G – 4.4dBi	5G – 5.1dBi	6G – 6dBi	4.2dBi
Mode 3	5G – 4.2dBi	5G – 5.1dBi	6G – 6dBi	4.2dBi
Mode 4	2.4G – 3.2dBi 5G – 4.2dBi 6G – 4.4dBi	5G – 5.1dBi	2.4G – 3.2dBi	4.2dBi
Mode 5	5G – 4.2dBi	5G – 5.1dBi	2.4G – 3.2dBi	4.2dBi
Mode 6	6G – 4.4dBi	5G – 5.1dBi	6G – 6dBi	4.2dBi

Radiation Patterns

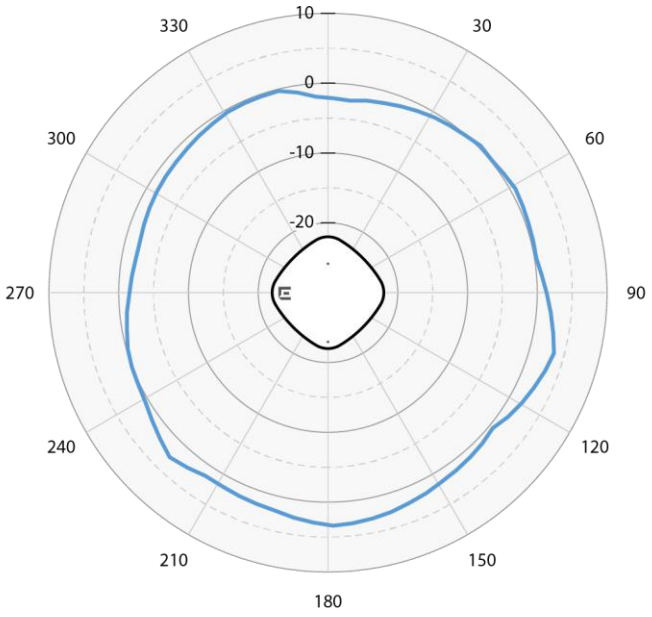
5G Azimuth



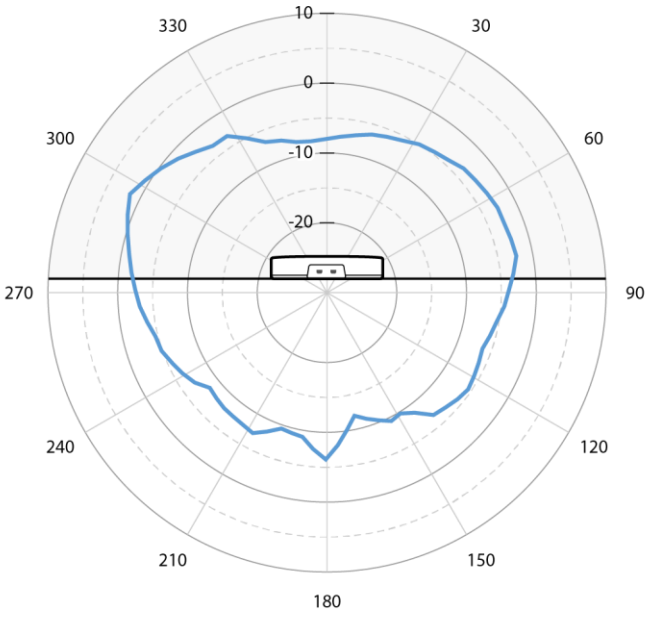
5G Elevation



6G Azimuth

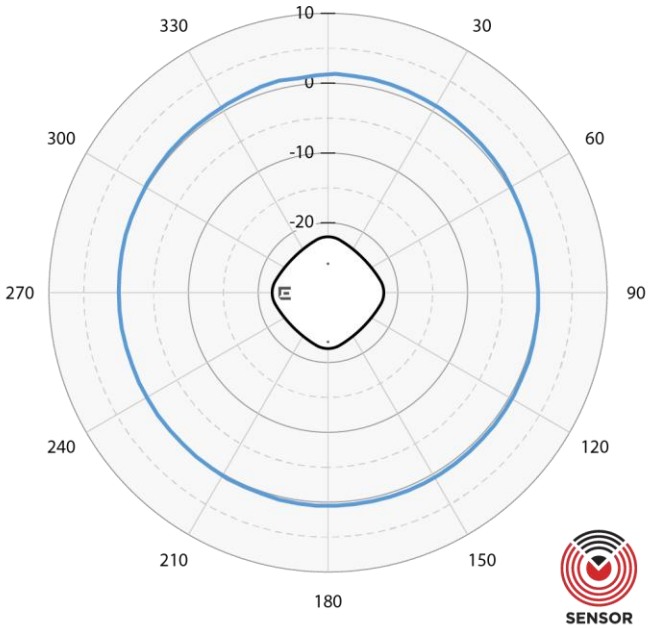


6G Elevation

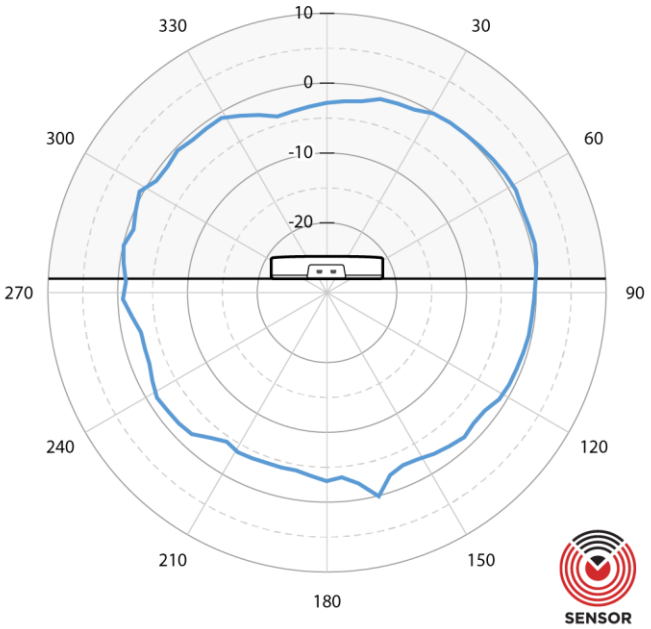


Radiation Patterns – Sensor

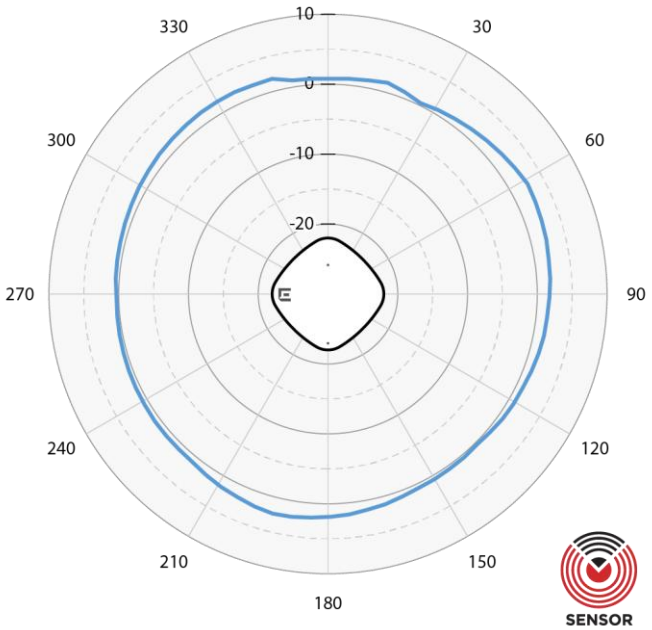
2G Sensor Azimuth



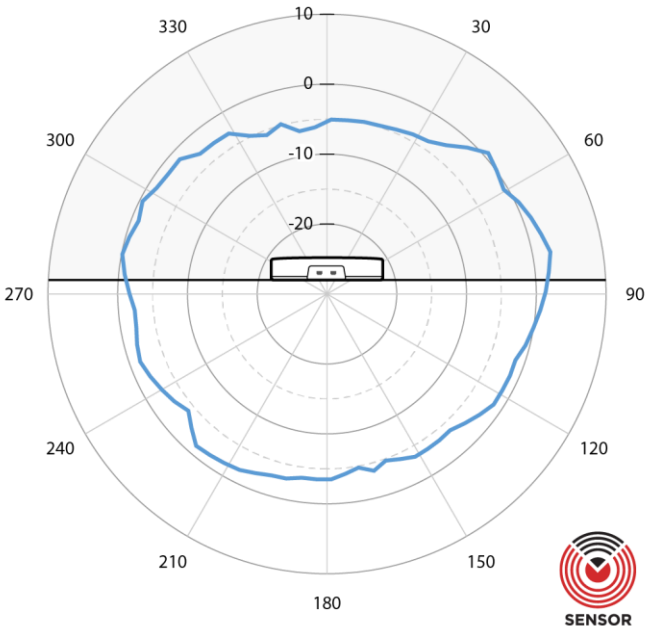
2G Sensor Elevation



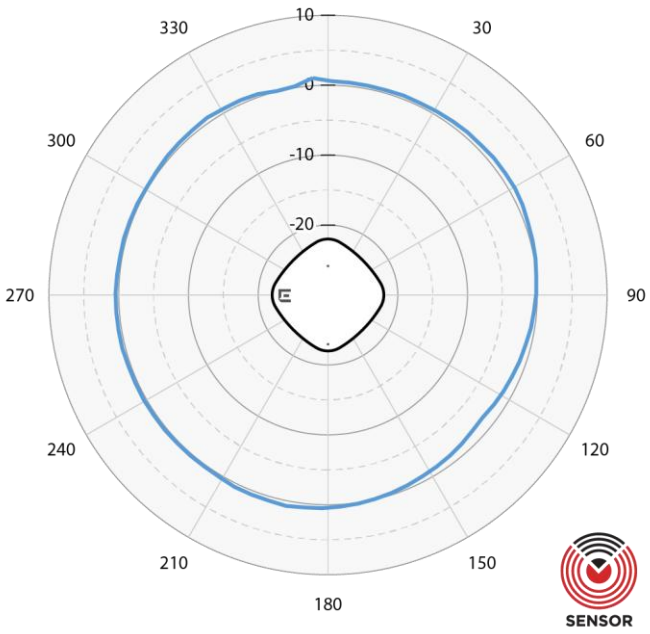
5G Sensor Azimuth



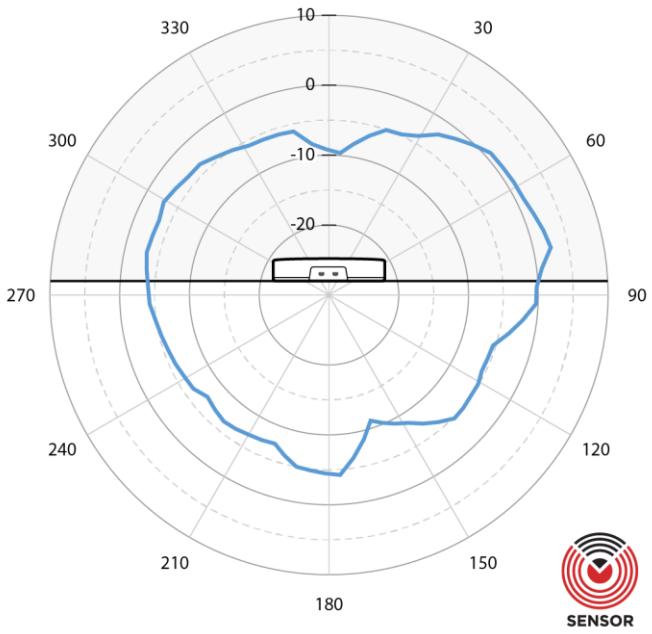
5G Sensor Elevation



6G Sensor Azimuth

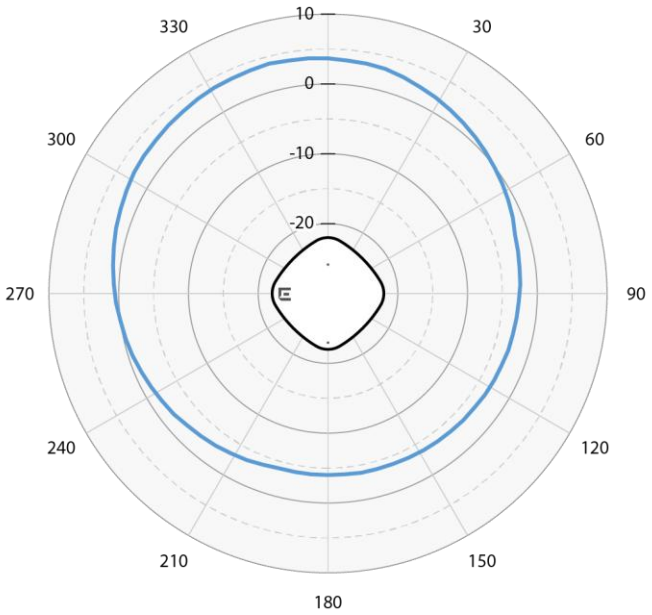


6G Sensor Elevation

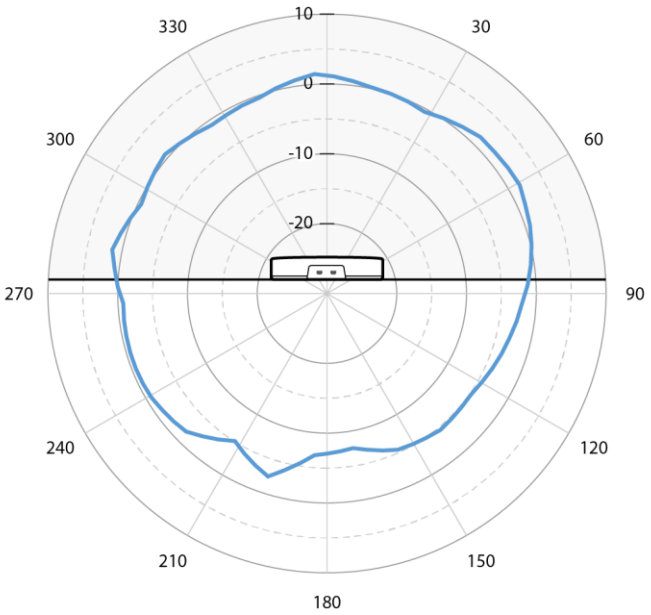


Radiation Patterns – BLE Radios

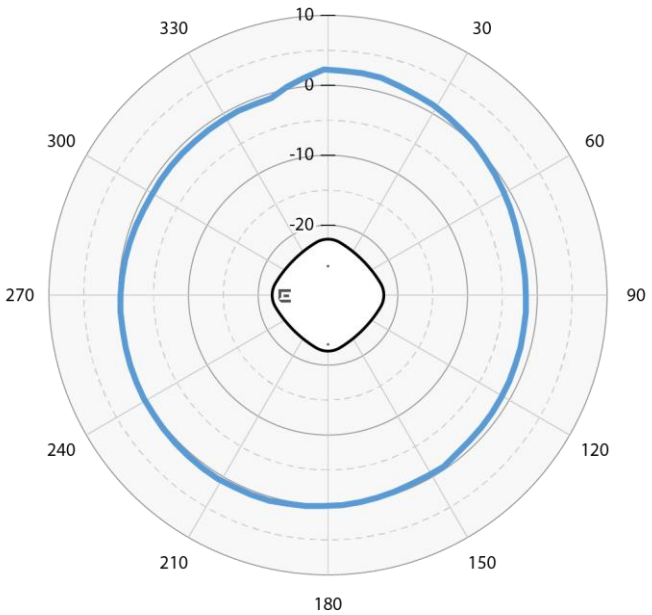
BLE R1 Azimuth



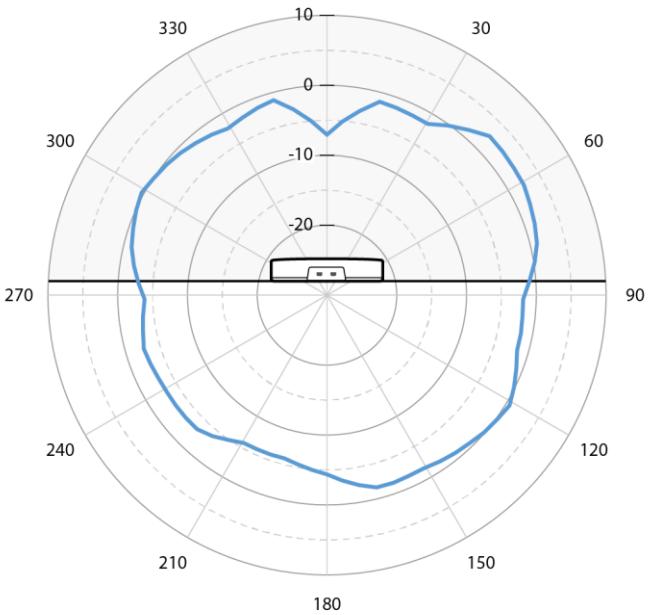
BLE R1 Elevation



BLE R2 Azimuth



BLE R2 Elevation



Ordering Information

AP5020

Part Number	Description
AP5020-WW	Indoor Tri Radio Wi-Fi 7 AP (4x4:4): 2.4 GHz, 5 GHz, 6 GHz and Multi-rate Port, internal antennas. T-Bar, Incl. Mt. (AH-ACC-BKT-AX-TB). Domain: World SKU.
AP5020-EG	Indoor Tri Radio Wi-Fi 7 AP, 2.4 GHz, 5GHz, 6GHz & Multi-rate Port, Internal antennas. T-Bar, Incl. Mt. (AH-ACC-BKT-AX-TB). Domain: Egypt
AP5020-IL	Indoor Tri Radio Wi-Fi 7 AP, 2.4 GHz, 5GHz, 6GHz & Multi-rate Port, Internal antennas. T-Bar, Incl. Mt. (AH-ACC-BKT-AX-TB). Domain: Israel
AP5020-WW-TAA	Indoor Tri Radio Wi-Fi 7 AP, 2.4 GHz, 5 GHz, 6 GHz and Multi-rate Port, Internal Antennas. T-Bar, Incl. Mt. (AH-ACC-BKT-AX-TB). Domain: World SKU, TAA compliant

Mounting Accessories

Part Number	Description	Notes
AH-ACC-BKT-AX-TB	Mounting bracket for Prelude 15/16" and Suprafine 9/16" ceilings and walls	Ships with AP5020 Can be used for wall - 0.25"
AH-ACC-BKT-AX-WL	Mounting bracket for direct-to-wall installations	Can be used for wall - 1.25"
AH-ACC-BKT-AX-IL	Mounting bracket for interlude ceilings	
AH-ACC-BKT-AX-SL	Mounting bracket for Armstrong 1/8" and 1/4" main beam Silhouette reveal ceiling grids	Up to 0.33" ceiling tile protrusion
ACC-BKT-AX-JB	Junction box or wall mounting for indoor APs	Gang/junction box
ACC-BKT-AX-BEAM	Beam mounting for indoor APs	Up to 0.78" thick beam
AH-ACC-BKT-916-KIT	9/16" ceiling mount brackets for non-flat/protruded ceiling tiles - use with AH-ACC-BKT-AX-TB	9/16" non-flat/protruded ceiling tiles
ACC-BKT-TB-NF	Adapter bracket AH-ACC-BKT-TB for 15/16" wide t-bars non-flat/protruded ceiling tiles	5/16" wide t-bars non-flat/protruded ceiling tiles
ACC-BKT-AX-WNGADAPT	Adapter backet for cloud AP to wing mounting plate (#37201). 10 pack.	Allow twist mount to mount to legacy mounts

Power Accessories

Part Number	Description
37219	PWR adapter 12V DC, 3A, 2.5 mm x 5.5 mm connector

Other Accessories

Part Number	Description
ACC-WIFI-MICRO-USB	Micro-USB to USB console adapter cable for Extreme wireless APs

See Product Installation Guide for more details.

Warranty

The AP5020 is covered under Extreme's Universal LLW policy. For warranty details, visit our Policies and Warranties page.

Support Services

Extreme offers a portfolio of services that adapts to your unique environment and technical support needs. Globally available technical support and professional services from our in-house team of experts provides the resiliency and optimization that accelerates your business and innovation.

Combined with Extreme Networks Platform ONE agentic support tools and workflows, Extreme Services helps you to anticipate issues and identify risks before they impact your business. For more information, visit our Services page.

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