Data Sheet

AP4020 Series Access Points

Highlights

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

Advanced Radio Technology

Quad-Radio Design

- 2.4 GHz (2x2:2)
- 5 GHz (2x2:2)
- 6 GHz (2x2:2)*
- Dedicated Tri-band Sensor

Integrated IoT Radios

- Two IoT Radios with Bluetooth Low Energy (BLE), Zigbee, Thread Capabilities

Operational modes

- 2.4 GHz/5 GHz/6 GHz* + tri-band sensor
- 2.4 GHz/5 GHz/5 GHz + tri-band sensor

Cellular Coexistence Filter (CCF)

- Minimizes the impact of interference from cellular networks

Power

- Fully Functional with 802.3at: all data radios, sensor and 2.5W USB
- Enable USB to 5W with 802.3bt power
- Built-in PoE Failover

*6 GHz operation is country dependent



Flexible and Highly Secure Wi-Fi 7 Indoor Access Point

The AP4020 series of Wi-Fi 7 access points (AP) deliver increased performance and security across a range of use cases for a seamless wireless experience. Manageable by Extreme Platform ONE™ and ExtremeCloud™ IQ / Controller, these APs are built on industry-leading Universal Hardware, enabling investment protection and deployment flexibility. They simplify operations, reduce risk and save time by leveraging AI in Extreme Platform ONE. The AP4020 series can also automatically enforce secure access rules with Extreme Platform ONE Security.

The AP4020 series is engineered for peak performance in enterprise environments, featuring a quad-radio design with three 2x2:2 radios. With support across the 2.4 GHz, 5 GHz, and 6 GHz bands, it delivers the next generation of high-efficiency, high-performance connectivity using 802.11be, also known as Extremely High Throughput (EHT). In addition to its advanced speed and bandwidth capabilities, the AP4020 series includes a full-time dedicated security sensor, ensuring robust protection while maintaining optimal network performance.

This AP is capable of multiple operational Wi-Fi 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 AP4020 series 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 AP4020 was engineered to meet these performance and security challenges. Unlike other APs that scan only part time, the AP4020 features a dedicated tri-band sensor that monitors rogue devices full time, eliminating the risk of vulnerability and attacks. The AP4020 series, 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 the AP4020 series is marked by 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.

Models to Suit Customer Needs

The AP4020 series includes three models, each designed for specific deployment needs:

- **AP4020:** features omnidirectional internal antennas, delivering optimal coverage for environments such as classrooms, lecture halls, carpeted enterprise, healthcare facilities, and retail spaces.
- **AP4020X:** incorporates external antenna connections and extended temperature operation from -20°C to 55°C (-4°F to 131°F), delivering focused coverage for large halls, warehouses, logistics and other areas where external antennas and extended temperature support is needed. The AP4020X includes two integral antennas (non-removable) for 6 GHz and four removable dual-band paddle antennas supporting 2.4 and 5 GHz.
- **AP4020FX:** offers external antenna connections and extended temperature range -20°C to 55°C (-4°F to 131°F) support, enabling flexible external antenna choices to support diverse environments. The AP4020FX provides connectivity for six removable antennas supporting 2.4, 5, and 6 GHz. 6 GHz deployment must utilize indoor AFC guidelines. Product available only in USA and Canada.



AP4020 with omnidirectional antennas



AP4020X with integral and interchangeable antennas



AP4020FX with external antenna connections

Network Management Flexibility

The AP4020 series 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) help 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.

*6 GHz operation is country dependent

Software-Defined Radios

The AP4020 series features two distinct software-defined radio (SDR) modes for different deployment scenarios. Dual 5 GHz supports high-density deployments with a dedicated sensor. Featuring quad radios, it can transmit with multiple combinations of three data radios across the 2.4 GHz, 5 GHz, and 6 GHz bands in addition to an always-on dedicated tri-frequency sensor. The AP4020 series 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 AP4020 series 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 AP4020 series 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 AP4020 series 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 AP4020 series 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 AP4020 series 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 AP4020 series delivers the highest level of security services, beginning with support for the latest Wi-Fi Alliance WPA3 security certifications. It also 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 AP4020. 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 AP4020 series 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 Standard 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
- Orthogonal Frequency Division Multiplexing (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 GHz–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: MCS0–MCS31 (6.5 Mbps–600 Mbps)

802.11ac

- 5.150 GHz–5.850 GHz Operating Frequency
- 802.11ac Modulation (256-QAM)
- 5G: 2x2 Multiple-In, Multiple-Out (MIMO) radio
- 2.4G: 2x2 MIMO radio
- Rates (Mbps): MCS0–MCS9 (6.5 Mbps), 1733 Mbps, NSS = 1-2
- 2x2:2 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–2,400 Mbps)
  - 5G: HE0-HE11 (8 Mbps– 2,400 Mbps)
  - 2.4G: HE0-HE11 (8Mbps– 574Mbps)
- 2x2:2 Stream Multiple-In, Multiple-Out (MIMO) radio at 6 GHz
- 2x2:2 Stream Multiple-In, Multiple-Out (MIMO) radio at 5 GHz
- 2x2:2 Stream Multiple-In, Multiple-Out (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–5,765 Mbps)
  - 5G: EHT0-EHT13 (8 Mbps–2,882 Mbps)
  - 2.4G: EHT0-EHT13 (8 Mbps–688 Mbps)
- 2x2:2 stream MIMO radio at 6 GHz
- 2x2:2 stream MIMO radio at 5 GHz
- 2x2:2 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

Interfaces

- Eth0, Eth1: (2) wired Ethernet ports (RJ45)
- Eth0: 100/1000/2500/5000 Mbps autosensing link speed Ethernet port, PoE PD
- Eth1: 100/1000/2500 Mbps autosensing link speed Ethernet port, PoE PD
- 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 with USB 2.5W, max. 25.5W 2.5W USB
- Power draw: 802.3bt: typical 24W with USB 5W, max. 27W with 5W USB
- PoE hitless failover

Physical Specifications

Model	Dimensions	Weight
AP4020	238 mm x 238 mm x 38 mm (9.37 in. x 9.37 in. x 1.50 in.)	1.30 kg (2.9 lb)
AP4020X	288 mm x 245 mm x 43 mm (11.34 in. x 9.65 in. x 1.69 in.)	1.43 kg (3.2 lb)
AP4020FX	245 mm x 245 mm x 43 mm (9.65 in. x 9.65 in. x 1.69 in.)	1.40 kg (3.1 lb)

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

- AP4020 Operating: 0°C to 50°C (32°F to 122°F)
- AP4020X Operating: -20°C to 55°C (-4°F to 131°F)
- AP4020FX Operating: -20°C to 55°C (-4°F to 131°F)
- Storage: 0°C to 70°C (32°F to 158°F)
- Humidity: 0% to 95% (noncondensing)

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

Radio Standards Canada

- RSS 247 for 2.4 GHz and 5 GHz
- RSS 248 for 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)
- UL/CuL 62368-1 listed
- UL 2043 plenum rated

European ITE

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

International ITE

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

EMI/EMC Standards

North American EMC Standards

- FCC CFR 47 Part 15 Class B (U.S.)
- 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, ac, n Wi-Fi Enhanced Open™
Optimization	WMM® Wi-Fi Agile Multiband™
Security	Protected Management Frames WPA2™ – Enterprise, Personal WPA3™ – Enterprise, Personal

Antenna Gain Matrix

Max Antenna Gain – AP4020

Operational Mode	Radio 0	Radio 1	Radio 2	Scan Radio	IoT Radio 1	IoT Radio 2
1	2.4 GHz 1.5 dBi	5 GHz 5.3 dBi	6 GHz 5.9 dBi	2.4 GHz: 2.2 dBi 5 GHz: 4.5 dBi 6 GHz: 5.4 dBi	2.2 dBi	1.6 dBi
2	2.4 GHz 1.5 dBi	5 GHz 5.3 dBi	5 GHz 3.7 dBi	2.4 GHz: 2.2 dBi 5 GHz: 4.5 dBi 6 GHz: 5.4 dBi	2.2 dBi	1.6 dBi

Power and Sensitivity Tables

Power and Sensitivity – 2.4 GHz Radio

Channel	Data Rate	Power (dBm)	Sensitivity (dBm)
11b	1 - 11 Mbps	17	-93, -86
11g	6 Mbps	17	-92
	54 Mbps	15	-73
11n HT20	MCS0, 7	17, 15	-92, -72
11n HT40	MCS0, 7	17, 15	-90, -70
11ax HE20	HE0, 11	17, 13	-92, -61
11ax HE40	HE0, 11	17, 13	-90, -59
11be EHT20	EHT1, 13	17, 12	-91, -54
11be EHT40	EHT1, 13	17, 12	-89, -52

Power and Sensitivity – 5 GHz Radio – Full

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, -64
11ac VHT80	MCS0, 9	18, 15	-88, -62
11ac VHT160	MCS0, 9	18, 15	-85, -60
11ax HE20	HE0, 11	18, 14	-92, -62
11ax HE40	HE0, 11	18, 14	-90, -60
11ax HE80	HE0, 11	18, 14	-88, -58
11ax HE160	HE0, 11	18, 14	-85, -55
11be EHT20	EHT0, 13	18, 12	-92, -55
11be EHT40	EHT0, 13	18, 12	-90, -53
11be EHT80	EHT0, 13	18, 12	-87, -51
11be EHT160	EHT0, 13	18, 12	-87, -51

Power and Sensitivity – 5 GHz Radio – High

Channel	Data Rate	Power (dBm)	Sensitivity (dBm)
11a	6 Mbps	18	-91
	54 Mbps	16	-72
11n HT20	MCS0, 7	18, 16	-91, -72
11n HT40	MCS0, 7	18, 16	-89, -70
11ac VHT20	MCS0, 8	18, 15	-91, -69
11ac VHT40	MCS0, 9	18, 15	-89, -65
11ac VHT80	MCS0, 9	18, 15	-87, -62
11ac VHT160	MCS0, 9	18, 15	-85, -60
11ax HE20	HE0, 11	18, 14	-91, -61
11ax HE40	HE0, 11	18, 14	-89, -59
11ax HE80	HE0, 11	18, 14	-87, -57
11ax HE160	HE0, 11	18, 14	-85, -55
11be EHT20	EHT0, 13	18, 12	-91, -54
11be EHT40	EHT0, 13	18, 12	-88, -52
11be EHT80	EHT0, 13	18, 12	-86, -50
11be EHT160	EHT0, 13	18, 12	-84, -48

Power and Sensitivity – 5 GHz Radio – Low

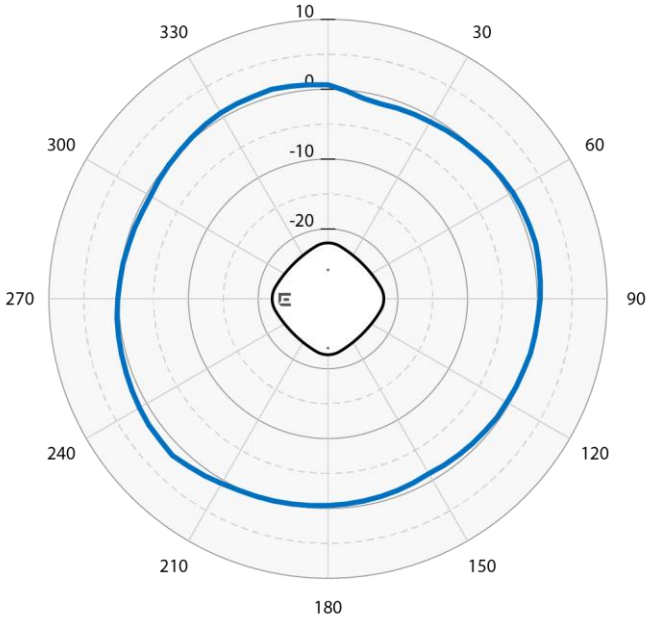
Channel	Data Rate	Power (dBm)	Sensitivity (dBm)
11a	6 Mbps	18	-94
	54 Mbps	16	-75
11n HT20	MCS0, 7	18, 16	-94, -75
11n HT40	MCS0, 7	18, 16	-92, -73
11ac VHT20	MCS0, 8	18, 15	-94, -72
11ac VHT40	MCS0, 9	18, 15	-92, -66
11ac VHT80	MCS0, 9	18, 15	-90, -64
11ac VHT160	MCS0, 9	18, 15	-88, -61
11ax HE20	HE0, 11	18, 14	-94, -64
11ax HE40	HE0, 11	18, 14	-92, -62
11ax HE80	HE0, 11	18, 14	-90, -59
11ax HE160	HE0, 11	18, 14	-87, -56
11be EHT20	EHT0, 13	18, 12	-94, -56
11be EHT40	EHT0, 13	18, 12	-92, -54
11be EHT80	EHT0, 13	18, 12	-89, -52
11be EHT160	EHT0, 13	18, 12	-86, -49

Power and Sensitivity – 6 GHz Radio – Full

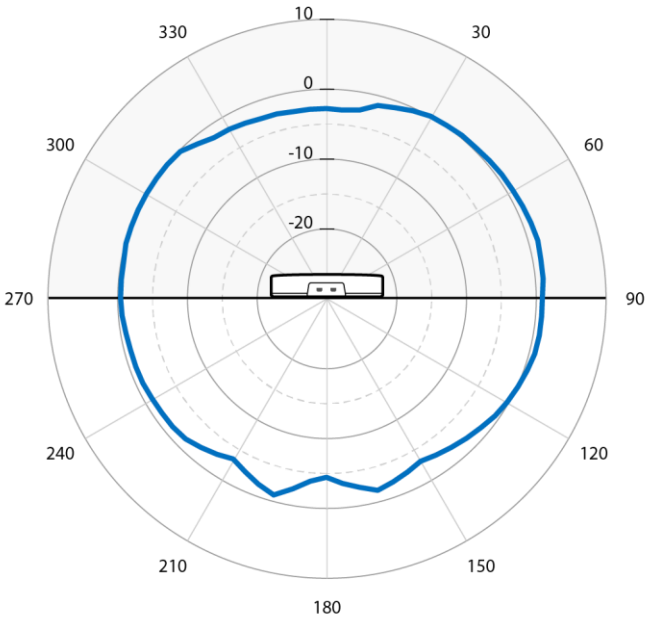
Channel	Data Rate	Power (dBm)	Sensitivity (dBm)
11a	6 Mbps	18	-92
	54 Mbps	16	-73
11n HT20	MCS0, 7	18, 16	-92, -73
11n HT40	MCS0, 7	18, 16	-90, -71
11ac VHT20	MCS0, 8	18, 15	-92, -70
11ac VHT40	MCS0, 9	18, 15	-90, -65
11ac VHT80	MCS0, 9	18, 15	-88, -62
11ac VHT160	MCS0, 9	18, 15	-85, -59
11ax HE20	HE0, 11	18, 14	-92, -62
11ax HE40	HE0, 11	18, 14	-90, -60
11ax HE80	HE0, 11	18, 14	-88, -58
11ax HE160	HE0, 11	18, 14	-85, -55
11be EHT20	EHT0, 13	18, 12	-92, -55
11be EHT40	EHT0, 13	18, 12	-90, -53
11be EHT80	EHT0, 13	18, 12	-88, -51
11be EHT160	EHT0, 13	18, 12	-86, -48
11be EHT320	EHT0, 13	18, 12	-83, -45

Radiation Patterns – AP4020

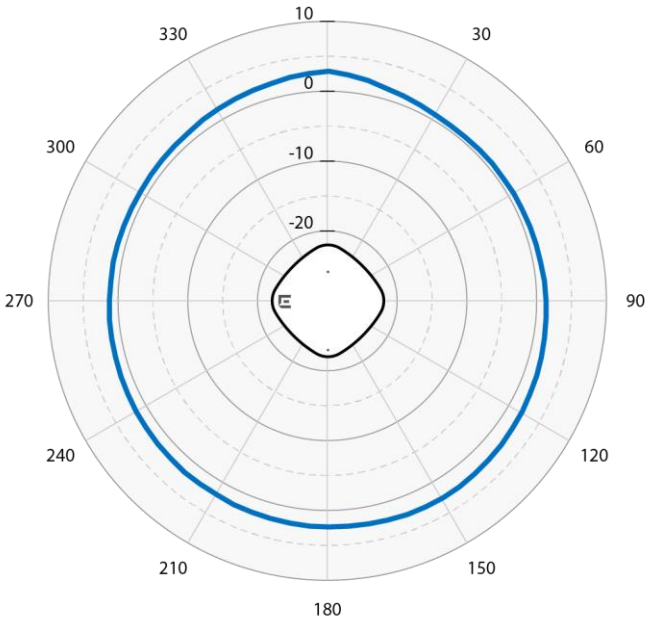
2G Azimuth



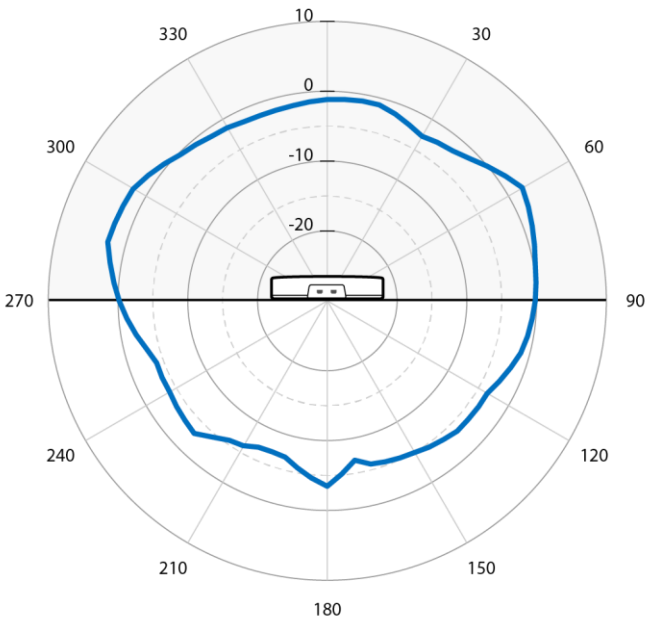
2G Elevation



5G Azimuth

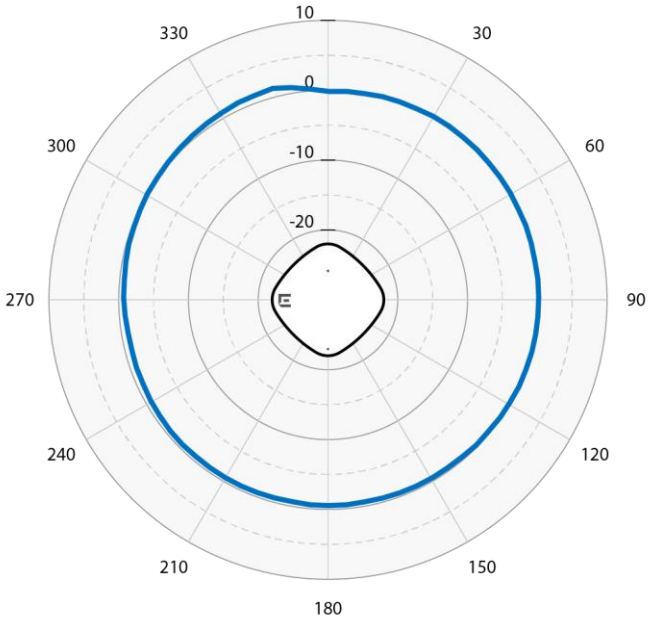


5G Elevation

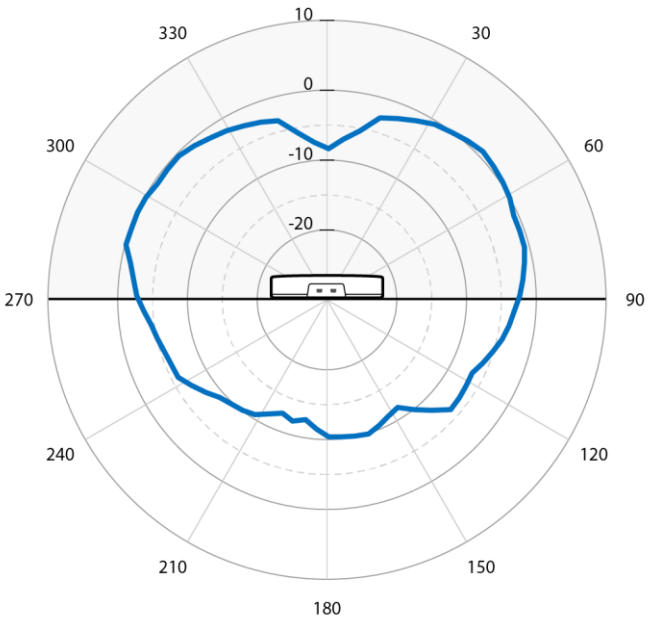


Radiation Patterns – AP4020

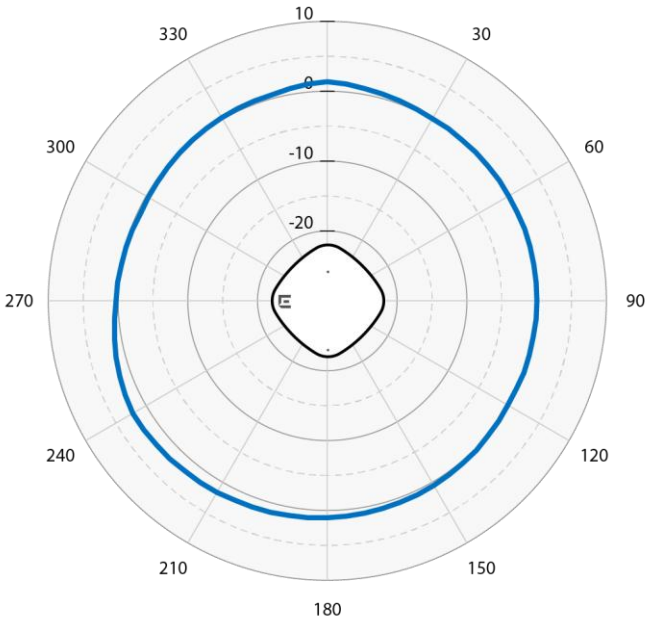
5G Low Azimuth



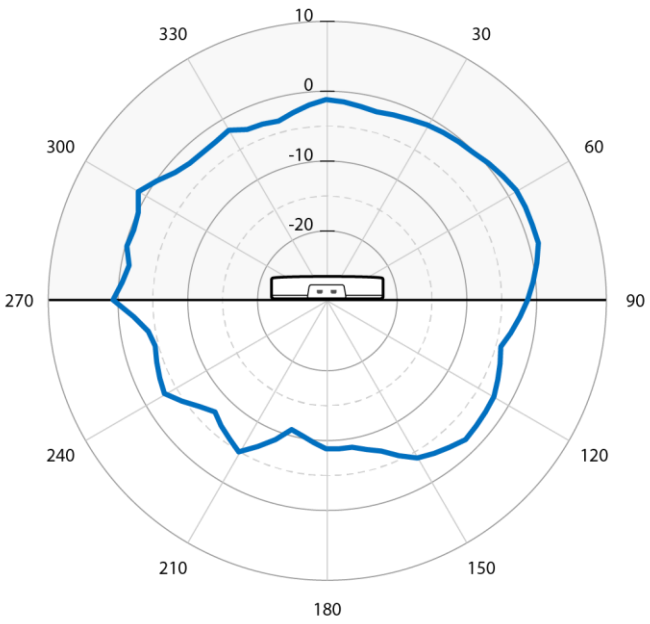
5G Low Elevation



6G Azimuth

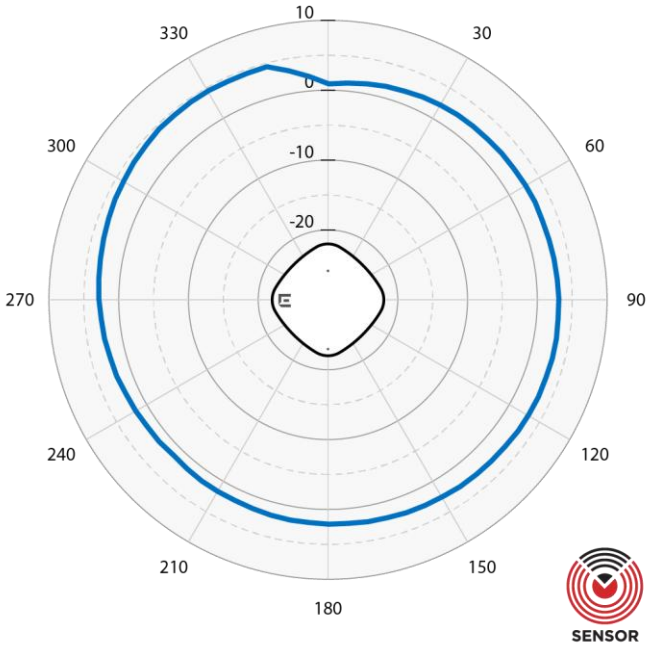


6G Elevation

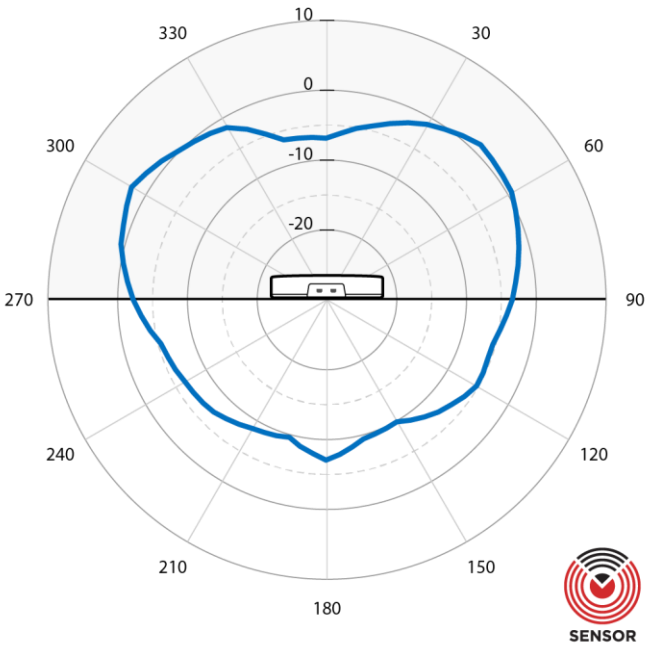


Radiation Patterns – AP4020 – Sensor

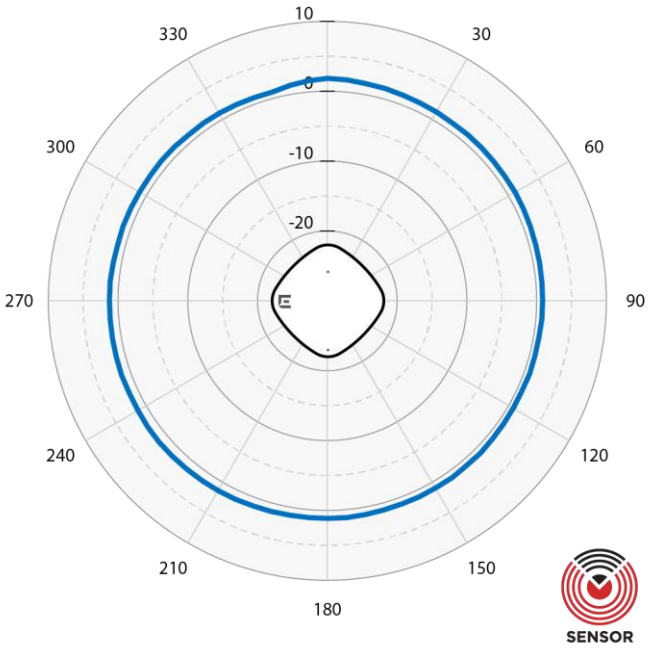
2G Sensor Azimuth



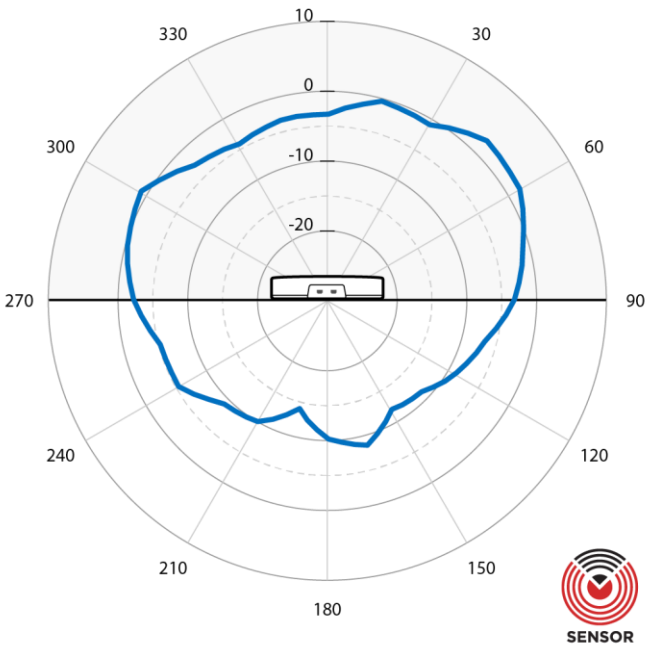
2G Sensor Elevation



5G Sensor Azimuth

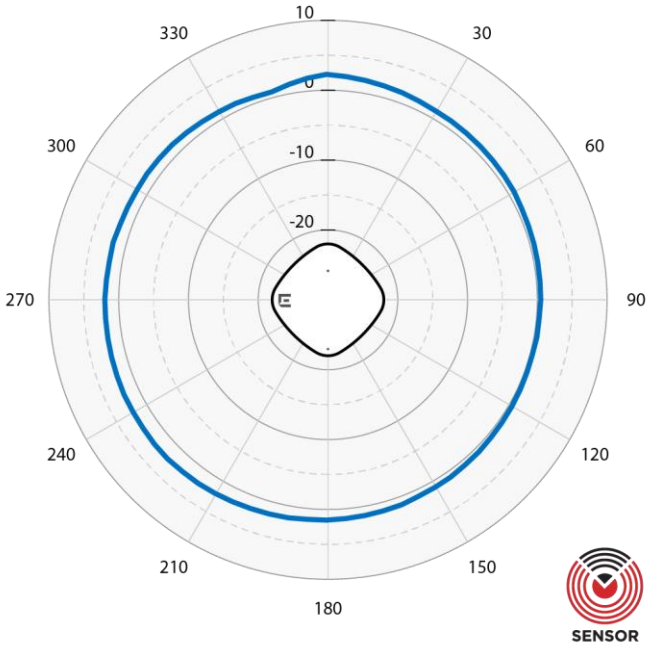


5G Sensor Elevation

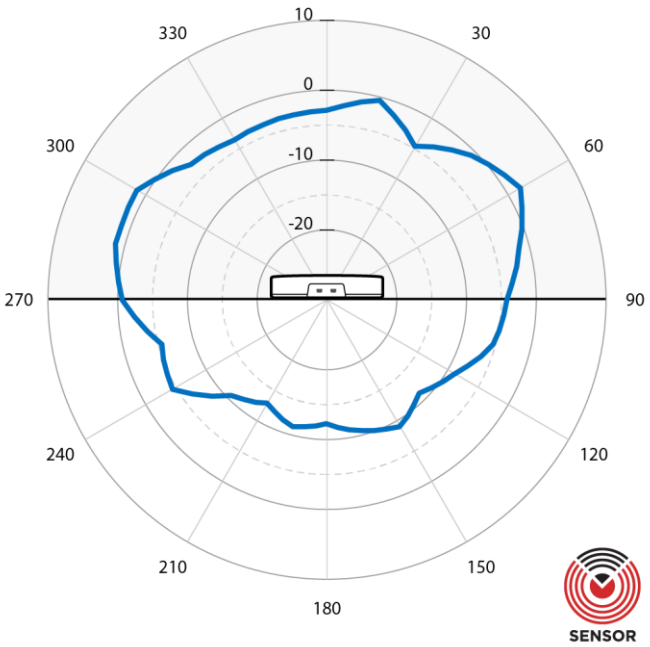


Radiation Patterns – AP4020 – Sensor

6G Sensor Azimuth

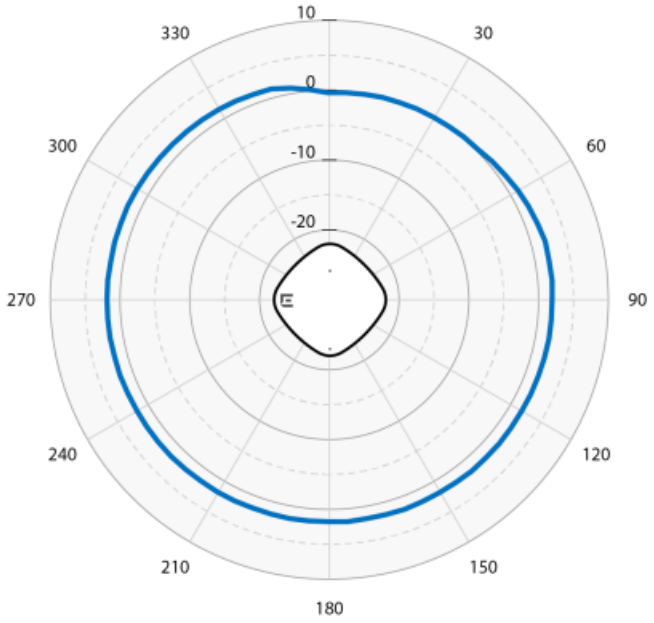


6G Sensor Elevation

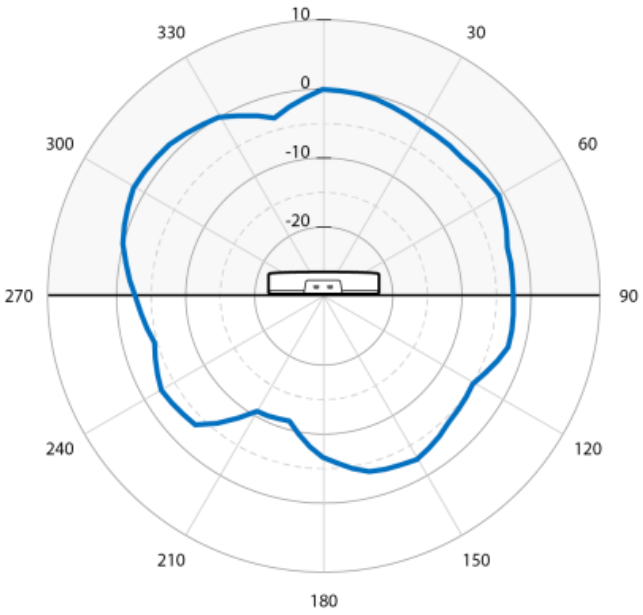


Radiation Patterns – AP4020 – BLE Radios

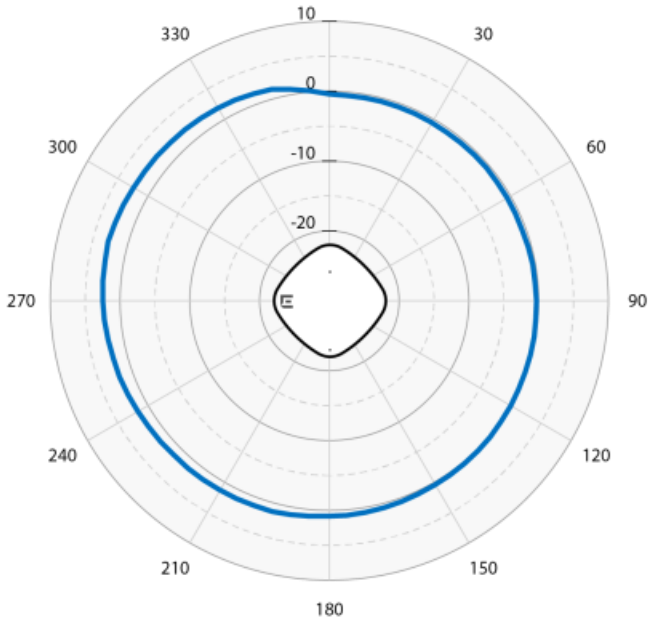
BLE R1 Azimuth



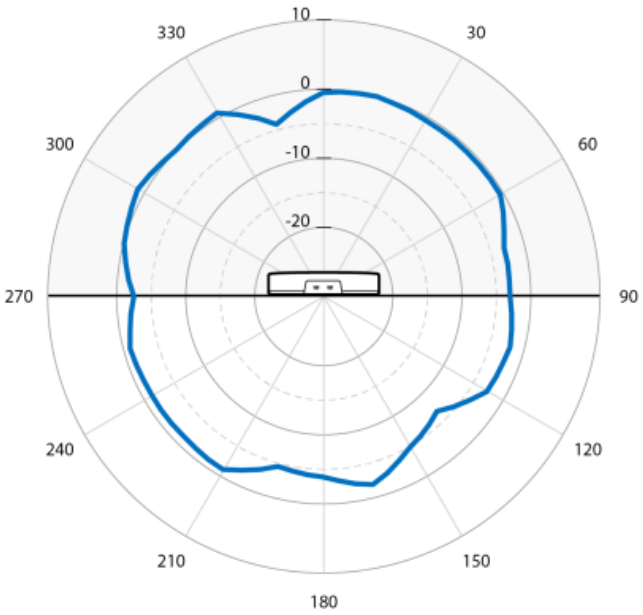
BLE R1 Elevation



BLE R2 Azimuth



BLE R2 Elevation



Ordering Information

AP4020 Series

Part Number	Description
AP4020-WW	Indoor Quad Radio Wi-Fi 7 (2x2:2): 2.4 GHz, 5 GHz, 6 GHz and dedicated sensor, Multi-Rate Port, internal antennas. T-Bar, Incl Mt (AH-ACC-BKT-AX-TB). Domain: World SKU
AP4020-WW-5pk	Indoor Quad Radio Wi-Fi 7 (2x2:2): 2.4 GHz, 5 GHz, 6 GHz and dedicated sensor, Multi-Rate Port, internal antennas. T-Bar, Incl Mt (AH-ACC-BKT-AX-TB). Domain: World SKU 5-Pack
AP4020-EG	Indoor Quad Radio Wi-Fi 7 (2x2:2): 2.4 GHz, 5 GHz, 6 GHz and dedicated sensor, Multi-Rate Port, internal antennas. T-Bar, Incl Mt (AH-ACC-BKT-AX-TB). Domain: Egypt
AP4020-IL	Indoor Quad Radio Wi-Fi 7 (2x2:2): 2.4 GHz, 5 GHz, 6 GHz and dedicated sensor, Multi-Rate Port, internal antennas. T-Bar, Incl Mt (AH-ACC-BKT-AX-TB). Domain: Israel
AP4020-WW-TAA	Indoor Quad Radio Wi-Fi 7 (2x2:2): 2.4 GHz, 5 GHz, 6 GHz and dedicated sensor, Multi-Rate Port, internal antennas. T-Bar, Incl Mt (AH-ACC-BKT-AX-TB). Domain: World SKU TAA Compliant
AP4020X-WW	Indoor Quad Radio Wi-Fi 7 (2x2:2): 2.4 GHz, 5 GHz, 6 GHz and dedicated sensor, Multi-Rate, Ext ant: 2.4 GHz and 5 GHz ports, Integral on 6 GHz Extended Temp, (4) AI-TS06360 tri band ant incl, T-Bar Incl Mt (AH-ACC-BKT-AX-TB). Domain: World SKU
AP4020X-WW-TAA	Indoor Quad Radio Wi-Fi 7 (2x2:2): 2.4 GHz, 5 GHz, 6 GHz & dedicated sensor, Multi-Rate, Ext ant: 2.4 GHz & 5 GHz ports, Integral 6 GHz, Ext Temp, (4) AI-TS06360 tri band ant incl, T-Bar Incl Mt (AH-ACC-BKT-AX-TB). Domain: World SKU TAA Compliant

AP4020FX (USA and Canada only)

Part Number	Description
AP4020FX-WW	Indoor Quad Radio Wi-Fi 7 (2x2:2): 2.4 GHz, 5 GHz, 6 GHz and dedicated sensor, Multi-Rate Port, Extended Temp, External antennas. T-Bar, Incl Mt (AH-ACC-BKT-AX-TB). Domain: World SKU
AP4020FX-WW-TAA	Indoor Quad Radio Wi-Fi 7 (2x2:2): 2.4 GHz, 5 GHz, 6 GHz and dedicated sensor, Multi-Rate Port, Extended Temp, External antennas. T-Bar, Incl Mt (AH-ACC-BKT-AX-TB). Domain: World SKU TAA Compliant

Antennas - AP4020X

Part Number	Description	Notes
AI-TS06360	3 dBi (2.4 GHz) and 5 dBi (5 and 6 GHz) Indoor Dipole Tri-band with RP-SMA connector	(4) AI-TS06360 antennas included with AP4020X-WW and AP4020X-WW-TAA
AI-TQ08055	7 dBi (2.4 GHz) and 6 dBi (5 and 6 GHz) Indoor Hex Sector 2.4 GHz 65 Degrees and 5 GHz 55 Degrees Tri-band with attached 1 meter 4-port RP-SMA cable. Mount included.	Quantity (1) required for full functionality
AIO-DQ15021-RPSMA	15 dBi Indoor/Outdoor Sector 21 Deg, 36 inch cable, RPSMA	Quantity (1) required for full functionality
AIO-DD05120-RPSMA	Panel, 120 deg sector, 5 dBi/5 dBi, dual band, outdoor, 36" lead with 2 RP-SMA connectors	Quantity (1) required for full functionality
AIO-DD75060-RPSMA	Panel, 60 deg sector, 7.5 dBi (2.4 GHz) and 7.5 dBi (2.4 GHz), dual band 36" lead with 2 RP-SMA connectors, outdoor rated	Quantity (1) required for full functionality
30702	Indoor, 2.3-2.7/4.9-6.1 GHz, 4-feed, 5 dBi, 120-degree sector antenna with standard RPSMA-type plug connector	Quantity (1) required for full functionality
ML-2452-SEC6M4-036	Polarized Panel, Azimuth 100° Elevation Beamwidth 80 deg, 6.92 dBi/ 7.3 dBi, dual band, indoor 32" leads, 4 port RP-SMA plug connectors	Quantity (1) required for full functionality
AI-TQ06120	6 dBi Indoor Quad Sector 120 Degree Tri-band with attached 1 meter 4-port RP-SMA cable. Mount included.	Quantity (1) required for full functionality
AI-DP04360S	Indoor Omni Directional 3.7 dBi (2.4 GHZ) and 4.2 dBi (5 GHz) external antenna with 5 ports RPSMA for indoor installations	Quantity (1) required for full functionality

Antennas – AP4020FX (US and Canada Only)

Part Number	Description
AI-TS06360	3 dBi (2.4 GHz) and 5 dBi (5 and 6 GHz) Indoor Dipole Tri-band with RP-SMA connector
AI-TH08055	7 dBi (2.4 GHz) and 6 dBi (5 and 6 GHz) Indoor Hex Sector 2.4 GHz 65 Degrees and 5 GHz 55 Degrees Tri-band with attached 1 meter 6-port RP-SMA cable. Mount included.
AI-TH14035	12 dBi (2.4 GHz) and 11.5 dBi (5 and 6 GHz) Indoor Hex Sector 35 Degree Tri-band with detachable 1 meter 6-port RP-SMA cable. Mount included.
AI-TH06120	6 dBi Indoor Hex Sector 120 Degree Tri-band with 6 port RP-SMA
AI-TP05360	5 dBi Indoor Omni Ceiling antenna with 4 Tri-band (2.4 GHz, 5 GHz, 6 GHz) and 1 IoT 1 meter RP-SMA cables.
AIO-HQ17020	17 dBi (5 and 6 GHz) Indoor Quad Directional 20 Degree with detachable 1 meter 4-port RP-SMA cable. Mount included.

Mounting Accessories

Part Number	Indoor AP Mounting	Notes
AH-ACC-BKT-AX-TB	Mounting bracket for Prelude 15/16" and Suprafine 9/16" ceilings and walls	Ships with AP4020 in the box 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 bracket 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

For more details, refer to the Product Accessories Guide.

Warranty

The AP4020 wireless access points are covered under Extreme's Warranty 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 provide the resiliency and optimization that accelerate your business and innovation.

Combined with Extreme 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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