AP4020

Key Highlights

- Wi-Fi 7 technology - high throughput, low latency, and extended range
- Manageable by Extreme Platform ONE™, ExtremeCloud™ IQ/Controller
- Reduced mean time to resolution with AI
- Extreme Platform ONE Security policy enforcement, Fabric integration
- Simultaneous IT & OT using dual radios

AP Radio Features

- 2x2:2: quad radio design including dedicated security sensor, optional dual 5GHz, and Multi-Link Operations (MLO)

Operational Modes

- Mode 1: 2.4 GHz /5 GHz/6 GHz data radios and sensor
- Mode 2: 2.4 GHz, and dual 5 GHz, and sensor

Cellular Coexistence Filter (CCF)

- Minimizes the impact of interference from cellular networks

Fully Functional with 802.3at: all data radios, sensor, and 2.5W USB

Option to enable USB to 5W with 802.3bt power

Built-in PoE Failover

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

The AP4020 is a Wi-Fi 7 access point (AP) that delivers increased performance and security across a range of use cases for a seamless wireless experience. Manageable by Extreme Platform ONE™, ExtremeCloud™ IQ/Controller, this AP is built on industry-leading Universal Hardware, enabling investment protection and deployment flexibility. It simplifies operations, reduces risk and saves time by leveraging Extreme's AI. The AP4020 can also automatically enforce secure access rules from Extreme Platform ONE Security.

The AP4020 Wi-Fi 7 Access Point is engineered for peak performance in enterprise environments, featuring a quad-radio design with three 2x2:2 radios. With support across the 6 GHz, 5 GHz, and 2.4 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 includes a full-time dedicated security sensor, ensuring robust protection while maintaining optimal network performance.

Extreme offers one of the most extensive selections of switches to connect Wi-Fi 6E and Wi-Fi 7 access points. The switches that connect the APs include flexible PoE that offer 30/60/90 watts of power on their multi-gigabit ports to support the higher power requirements of 6 GHz Wi-Fi.

Business Benefits and Outcomes

Improve Operational Efficiency

AP4020 is part of a complete wired and wireless solution that includes AI, Extreme's Universal Wired portfolio, and access security from Extreme Platform ONE 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-frequency sensor that monitors rogue devices full time, eliminating the risk of vulnerability and attacks.

The AP4020, 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 AP4020 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 AP4020 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 AP4020 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 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 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 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 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 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 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 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 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 5.150–5.850 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 (6.5Mbps - 600Mbps)

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 Multiple-In, Multiple-Out (MIMO) Radio

Rates (Mbps): MCS0–MCS9 (6.5Mbps), 1733Mbps, 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)

• 6G: 5G: HE0-HE11 (8 Mbps– 2,400 Mbps)

• 2.4G: HE0-HE11 (8Mbps– 574 Mbps)

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/HE320 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 (8Mbps–5,765 Mbps)

• 5G: EHT0-EHT13 (8Mbps–2,882 Mbps)

• 2.4G: EHT0-EHT13 (8Mbps–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 Thread

Interfaces

Eth0, Eth1: (2) wired Ethernet ports (RJ45)

Eth0: 100/1000/2500/5000Mbps 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: Max: 28W with 5W USB

PoE Failover

Physical Specifications

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

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% (non-condensing)

Security

Kensington lock slot
Trusted Platform Module (TPM)

Internal Antennas

(2) dual band 2.4 GHz and 5 GHz
(2) single band 5 GHz
(2) single band 6 GHz
(1) 2 GHz/5 GHz/6 GHz sensor
(3) IoT sensor

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 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 2.4G & 5GHz
RSS 248 6GHz RLAN
RF exposure - RSS-102: Issue 5, 2015

Radio Standards CE

2014/53/EU Radio Equipment Directive
EN 300 328, EN 301 893, EN 302 502, EN 300 440
EN301 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 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)

AP4020 Antenna Gain

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

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

Power and Sensitivity Tables

Table 1: 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 – 5.0 GHz 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	MCSO, 8	18, 15	-92, -70
11ac VHT40	MCSO, 9	18, 15	-90, -64
11ac VHT80	MCSO, 9	18, 15	-88, -62
11ac VHT160	MCSO, 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 – 5.0 GHz High Radio

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	MCSO, 8	18, 15	-91, -69
11ac VHT40	MCSO, 9	18, 15	-89, -65
11ac VHT80	MCSO, 9	18, 15	-87, -62
11ac VHT160	MCSO, 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 - 5.0 GHz Low Radio

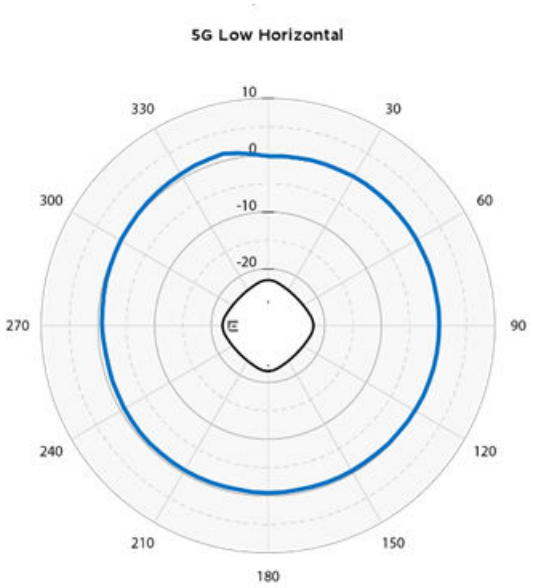
Channel	Data Rate	Power (dBm)	Sensitivity (dBm)
11a	6 Mbps	18	-94
	54 Mbps	16	-75
11n HT20	MCS0, 7	18, 16	-94, -75
11n HT40	MCS0, 7	18, 16	-92, -73
11ac VHT20	MCSO, 8	18, 15	-94, -72
11ac VHT40	MCSO, 9	18, 15	-92, -66
11ac VHT80	MCSO, 9	18, 15	-90, -64
11ac VHT160	MCSO, 9	18, 15	-88, -61
11ax HE20	HE0, 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

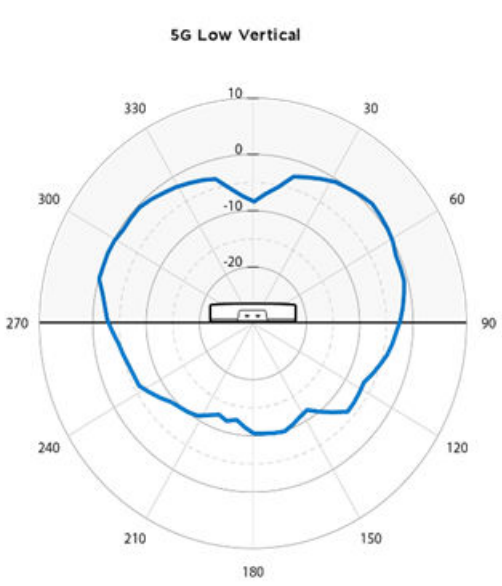
Channel	Data Rate	Power (dBm)	Sensitivity (dBm)
11be EHT80	EHT0, 13	18, 12	-89, -52
11be EHT160	EHT0, 13	18, 12	-86, -49

Power and Sensitivity - 6.0 GHz 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	MCSO, 8	18, 15	-92, -70
11ac VHT40	MCSO, 9	18, 15	-90, -65
11ac VHT80	MCSO, 9	18, 15	-88, -62
11ac VHT160	MCSO, 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

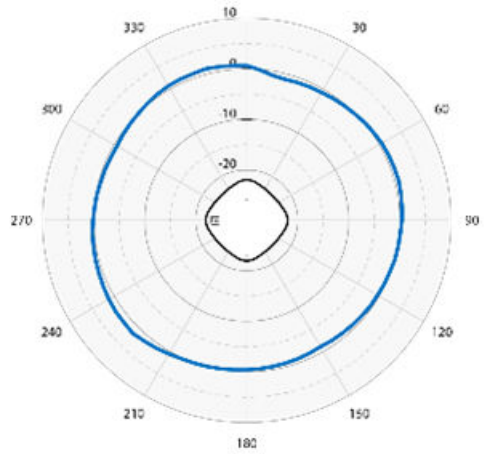
Radiation Patterns – 5G Low Azimuth and Elevation



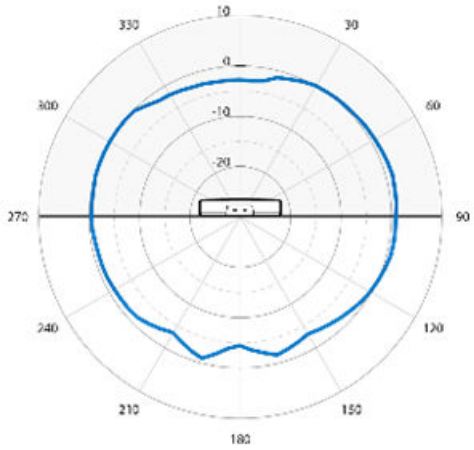


Radiation Patterns – 2G, 5G, and 6G Azimuth and Elevation

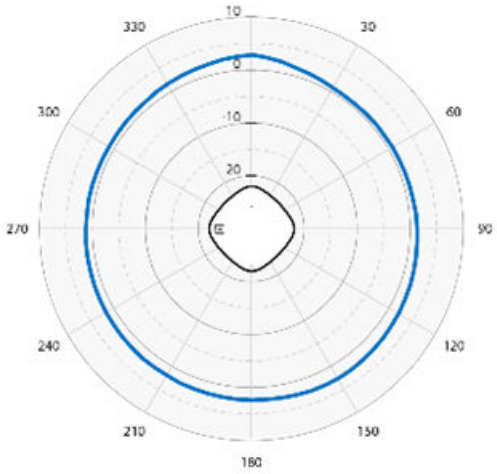
2G Horizontal



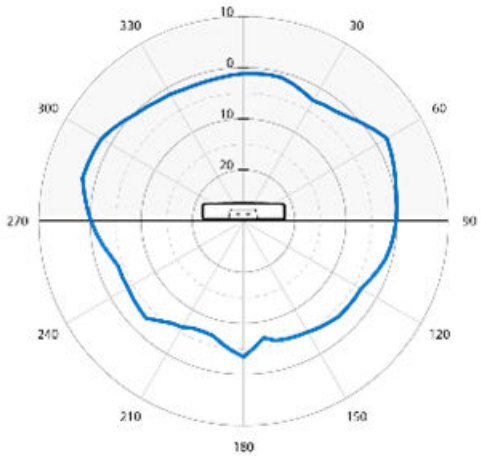
2G Vertical



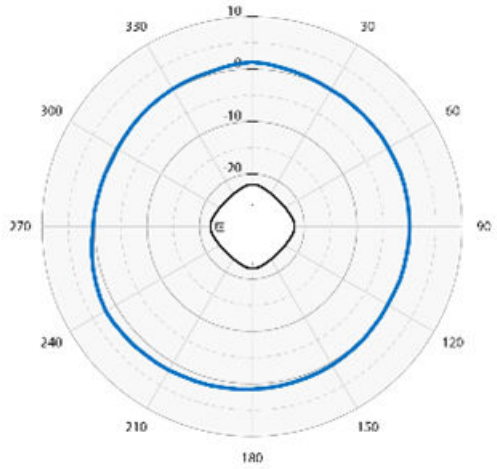
5G Horizontal



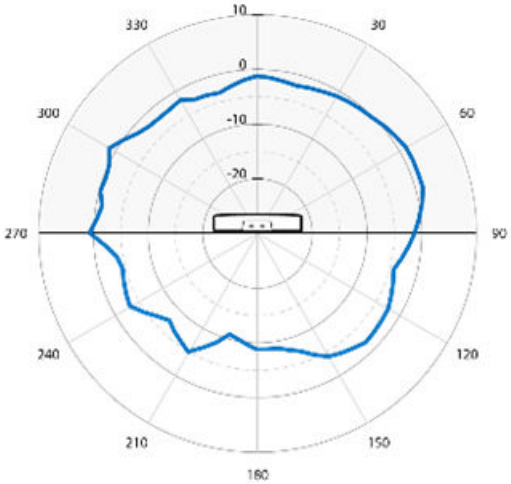
5G Vertical



6G Horizontal

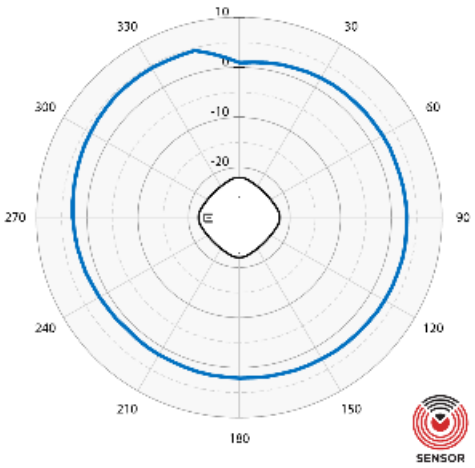


6G Vertical

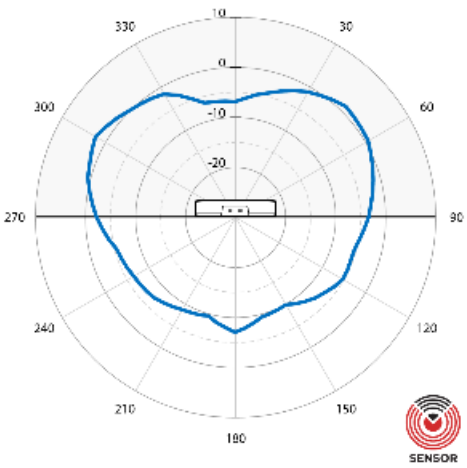


Radiation Patterns – Sensor 2G, 5G, and 6G Azimuth and Elevation

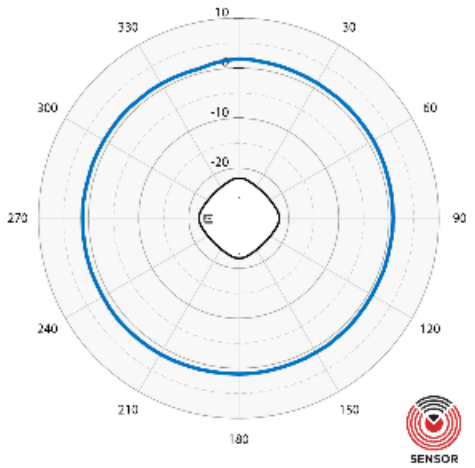
Sensor 2G Horizontal



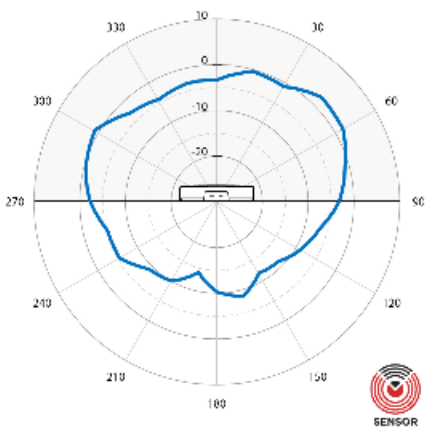
Sensor 2G Vertical



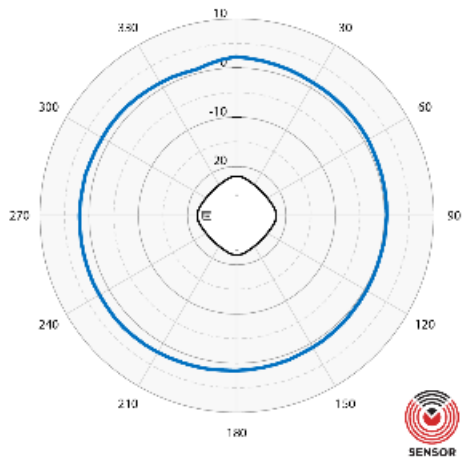
Sensor 5G Horizontal



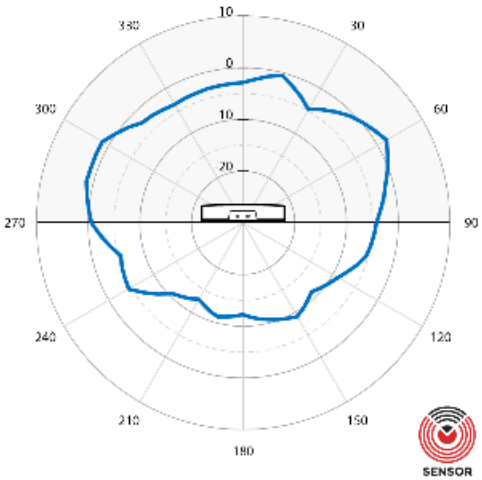
Sensor 5G Vertical



Sensor 6G Horizontal

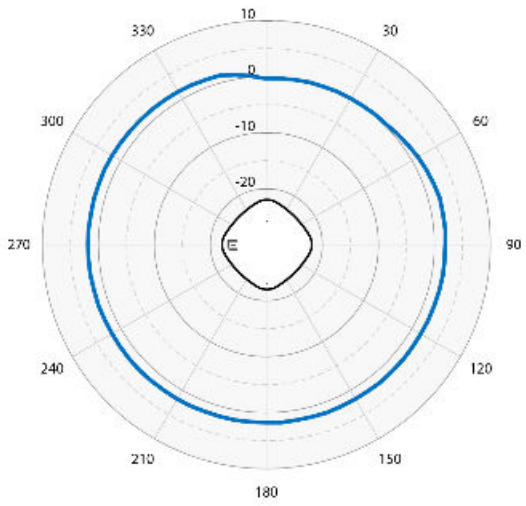


Sensor 6G Vertical

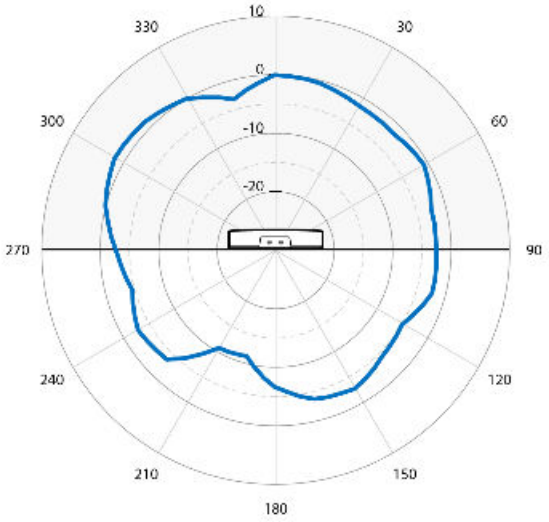


Radiation Patterns – BLE Radio 1 and Radio 2 Azimuth and Elevation

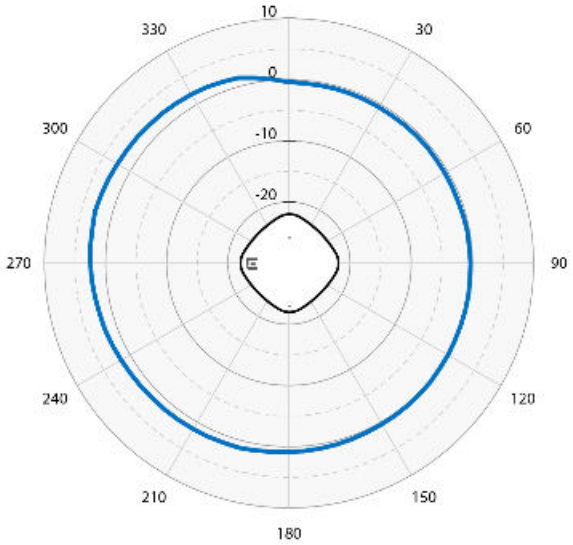
BLE Radio 1 Horizontal



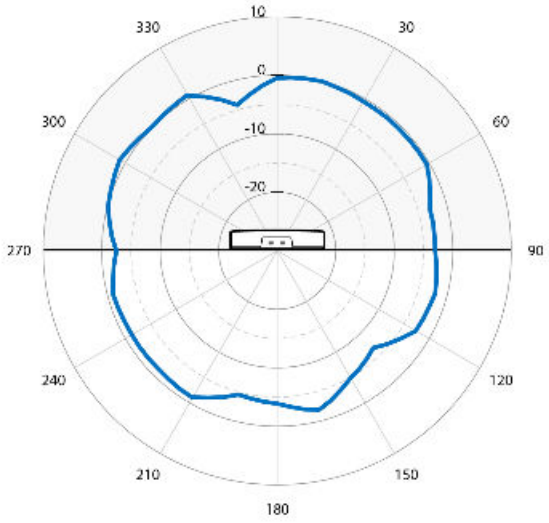
BLE Radio 1 Vertical



BLE Radio 2 Horizontal



BLE Radio 2 Vertical



Ordering Information

AP4020 Series - SKUs

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

AP4020 Series – FX SKUs (For USA and Canada only)

Part Number	Description
AP4020FX-WW	Indoor Quad Radio Wi-Fi 7 (2x2:2): 2.4 GHz, 5GHz, 6GHz 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, 5GHz, 6GHz 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 for AP4020X

NOTE: Quantity (4) AI-TS06360 antennas included with AP4020X-WW and AP4020X-WW-TAA models

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

Antennas for AP4020FX - US and Canada Only

Part Number	Description
AI-TS06360	3dBi (2.4 GHz) and 5dBi (5 and 6 GHz) Indoor Dipole Tri-band with RP-SMA connector
AI-TH08055	7dBi (2.4 GHz) and 6dBi (5 and 6 GHz) Indoor Hex Sector 2.4GHz 65 Degrees and 5GHz 55 Degrees Tri-band with attached 1 meter 6-port RP-SMA cable. Mount included.
AI-TH14035	12dBi (2.4 GHz) and 11.5dBi (5 and 6 GHz) Indoor Hex Sector 35 Degree Tri-band with detachable 1 meter 6-port RP-SMA cable. Mount included.
AI-TH06120	6dBi Indoor Hex Sector 120 Degree Tri-band with 6 port RP-SMA

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

See Product Installation Guide for more details.

Warranty

The AP4020 is covered under Extreme's Universal LLW policy. For warranty details, visit: http://www.extremenetworks.com/support/policies