AP440, AP840 & AP840E

Cloud managed WiFi-6 access points

Next-gen performance with WiFi-6

The Datto Networking WiFi-6 access points deliver advanced wireless performance to our MSP-focused AP lineup. The AP440, AP840, and AP840E are WiFi-6 enabled and Hotspot 2.0/Passpoint® ready (in upcoming software releases), unlocking access to High Efficiency (HE) capabilities that deliver increased capacity, throughput and power with multi-gig speed. The AP840 and AP840E access points offer four data streams that enhance network density and allow more users per AP, which lowers costs for businesses and provides a better overall WiFi experience for users.

Auto-optimized with expanded coverage

Datto WiFi-6 APs leverage a high-powered Front End Module (FEM), or an integrated circuit with amplifiers, to boost power transmission and receiving sensitivity for longer range and coverage than a typical radio. This enables MSPs to serve larger businesses and venues both indoors and outdoors. Datto WiFi-6 APs continue to bring the value of auto-optimization and self-healing mesh networking to MSPs so you can spend less time managing user disconnections and more time growing your business.

Secure MSP networking

Protected networks are productive networks, which is why Datto WiFi-6 APs include a dedicated scanning radio for advanced security and insights. Bolster your WiFi security offering and advanced encryption methods. Pair this with WPA3 authentication, presence analytics, and automation, and you have a simplified WiFi security solution, built exclusively for MSPs.

Born in the cloud

WiFi begins in the cloud. For Datto Networking, it starts in the Datto Network Manager, where MSPs can add access points with pre-configured settings directly to their network. With configurations set and stored in the same portal used to manage all Datto devices, an MSP can deploy WiFi networks in minutes. Simple, rapid deployment born in the cloud.

MSP aligned

Datto Networking has one customer, the managed services provider. Because of this, we focus all of our efforts on aligning with the MSP business model. From simple deployments and management to native RMM and PSA integrations to friendly pricing, Datto Networking was purpose-built for MSPs.

Managed networking services...the Datto way

We believe in the value of great products and an unwavering commitment to 24x7x365 customer service and support. Each access point ships with a lifetime warranty and is backed by an advanced replacement program. If you have an issue with your device, we will ship you a new one before you send your damaged device back.

	AP440	AP840	AP840E
Application	802.11ax Indoor/Outdoor Cloud-Managed WiFi Access Point	802.11ax Indoor Cloud-Managed WiFi Access Point	802.11ax Indoor/Outdoor Cloud-Managed WiFi Access Point
Bands		2.4GHz + 5 GHz	
Wireless Connectivity	802.11a/b/g/n/ac/ax 2.4GHz: 2x2, 5GHz 2x2 MU-MIMO + OFDMA 2.4GHz: 20/40 MHz channels (802.11ax) 5GHz: 20/40/80 MHz channels (802.11ax)	802.11a/b/g/n/ac/ax 2.4GHz: 4x4, 5GHz 4x4 MU-MIMO + OFDMA 2.4GHz: 20/40 MHz channels (802.11ax) 5GHz: 20/40/80 MHz channels (802.11ax)	
Supported Frequency Bands (Country-Specific Restrictions Apply)		2.412-2.484 GHz 5.150-5.250 GHz(UNII-1) 5.735-5.825 GHz (UNII-3)	
Speed (Rated)	1.8 Gbps 2.4GHz - 573.5 Mbps, 5GHz - 1201 Mbps	3.6 Gbps 2.4GHz - 1148Mbps, 5GHz - 2400Mbps	
Range (Approximate)	100'-200' indoor (3-4 Walls) 300'-450' outdoor	150'-300' indoor (3-4 Walls)	150'- 300' indoor (3-4 walls), Dipole: 400'-600' outdoor Patch Antenna: 600'-800' outdoor
Max Users (Recommended) *Measured concurrently with 5mbs of TCP traffic	150 per AP*	250+ per AP*	
Cloud Management		Yes	
Security		WPA/WPA2 Personal and Enterprise, WPA3 Personal and Enterprise	
Dedicated Scanning Radio		Yes	
Integrated BLE	No	Yes	
Other		Captive portal/splash pages, Facebook Wi-Fi, user management capabilities and much more.	
Automatic Firmware Upgrades		Yes	
Automatic Feature Upgrades		Yes	
Zero Config Plug and Play		Yes	
Self-Forming, Self-Healing Mesh		Yes	
Seamless Roaming		Yes	
Mounting	Installation Kit Included: T-Rail, solid ceiling or wall, ethernet Gangbox, or Pole Mount (Steel clamps and grounding cable not included)	Installation Kit included: T-Rail, Solid ceiling or wall, ethernet Gangbox	Installation Kit Included: Solid ceiling or wall orpole mount (Steel clamps and grounding cable not included)

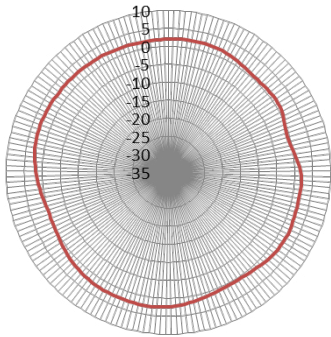|	AP440	AP840	AP840E
External Antennas		No	Yes, Omnidirectional Included, Optional Directional Panel Antenna Sold Separately
Ethernet/LAN	2x Gigabit Ethernet	1x 2.5 Gbps Multigigabit Ethernet 1 X Gigabit Ethernet	
PoE	802.3at, 12V DC power	802.3at, 48V DC power	802.3at
Power Consumption (Peak)	25.5 W	28.5 W	24.5 W
CPU	Qualcomm IPQ6010	Qualcomm IPQ8072A	Qualcomm IPQ8072A
Memory		1G DRAM DDR3	
LED Indicators		Nine-color status indication	
Hardware Watchdog		Yes	
Indoor/Outdoor Rating	UL+CE Marked for Outdoor/Indoor Use, IP54	Indoor only	UL+CE Marked for Outdoor/Indoor Use, IP55
Certifications	EN 62368-1, UL 62368-1, UL 60950-22, IEC 60950-1, IEC 60529, EN 55024, EN 55032, EN 55035, EN 62311, EN 50385, EN 300.328, EN 301.489-1 and EN 301.489-17, EN 301.893, AS/NZS 4268, AS/NZS CISPR 32, ICES-003, RSS-247, RSS-102, RSS-GEN, FCC Part 15 B, C, E,	EN 62368-1, UL 62368-1, EN 55024, EN 55032, EN 55035, EN 62311, EN 50385, EN 300.328, EN 301.489-1 and EN 301.489-17, EN 301.893, AS/NZS 4268, AS/NZS CISPR 32, ICES-003, RSS-247, RSS-102, RSS-GEN, FCC Part 15 B, C, E,	EN 62368-1, UL 62368-1, UL 60950-22, IEC 60950-1, IEC 60529, EN 55024, EN 55032, EN 55035, EN 62311, EN 50385, EN 300.328, EN 301.489-1 and EN 301.489-17, EN 301.893, AS/NZS 4268, AS/NZS CISPR 32, ICES-003, RSS-247, RSS-102, RSS-GEN, FCC Part 15 B, C, E,
Operating Temperature	-20° to 50° C (-4° to 122° F)	0° to 40° C (32° to 104° F)	-20° to 50° C (-4° to 122° F)
Humidity	5% to 93% non-condensing internal	5% to 93% non-condensing	5% to 93% non-condensing internal
Size	185.6mm x 185.6mm x 40 mm (7.31" x 7.31" x 1.58")	220mm x 220mm x 47.75mm (8.66" x 8.66" x 1.88")	Without Dipole Antennas: 250mm x 250mm x 53mm (9.84" x 9.84" x 2.09") With Dipole Antennas: 566mm x 250mm x 53mm (22.3" x 9.84" x 2.09")
Weight	0.544 Kg (1.19 lb)	0.93Kg (2.03lb)	1.6 Kg (3.55lb)

AP Radiation Patterns

AP440 @2450MHz
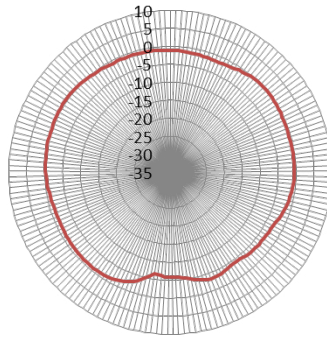
XY-Plane	XZ-Plane	YZ-Plane

AP440 @5550MHz

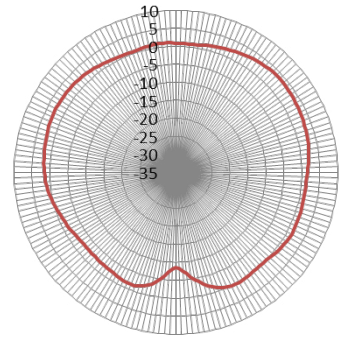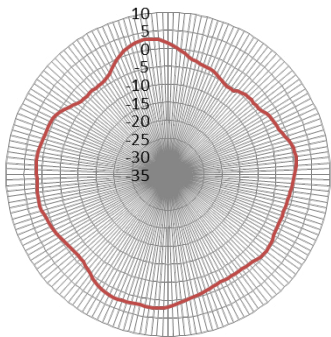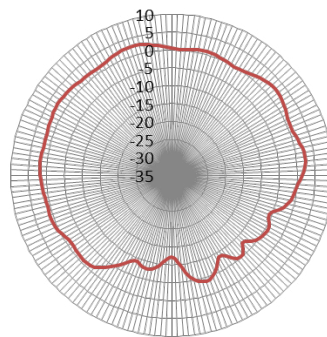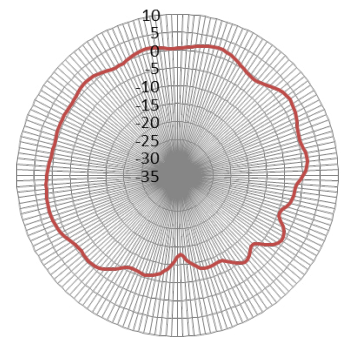| XY-Plane	XZ-Plane	YZ-Plane

AP Radiation Patterns

AP840 @2450MHz

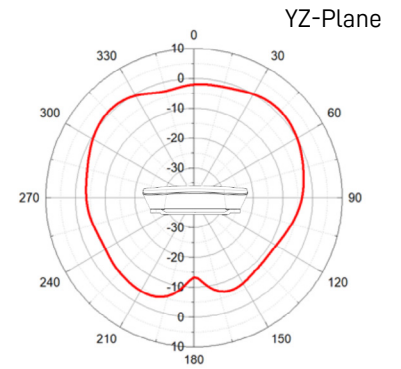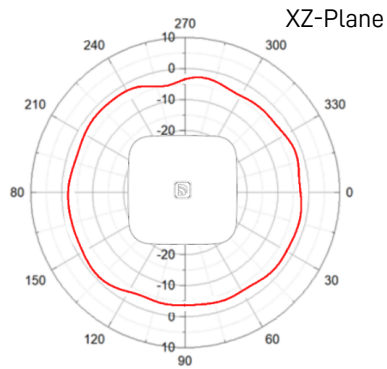XY-Plane   XZ-Plane   YZ-Plane

AP840 @5550MHz

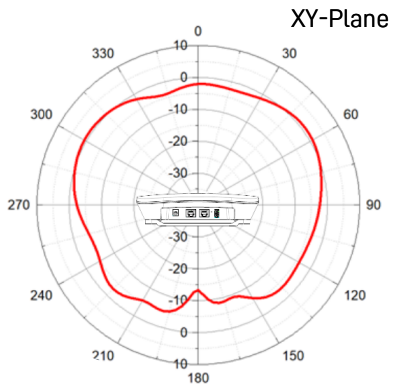XY-Plane   XZ-Plane   YZ-Plane

AP840E (Dipole) @2450MHz

XY-Plane   XZ-Plane   YZ-Plane
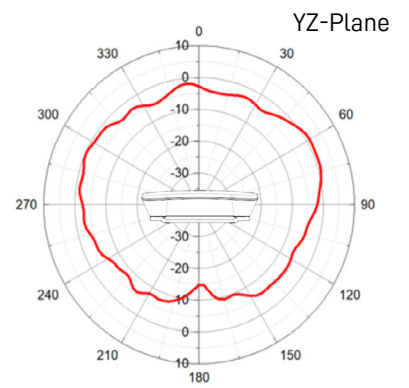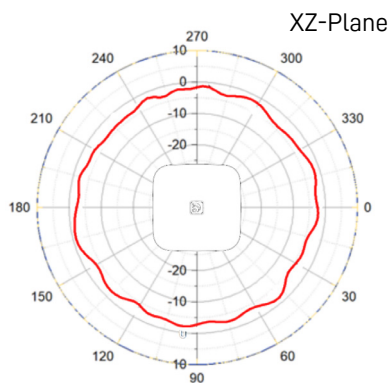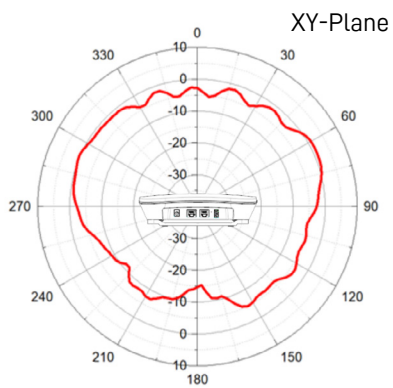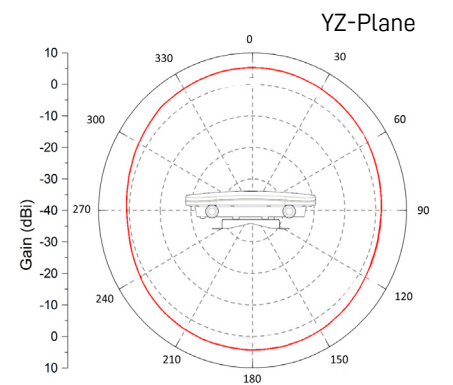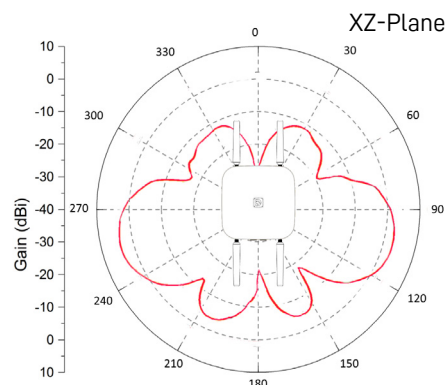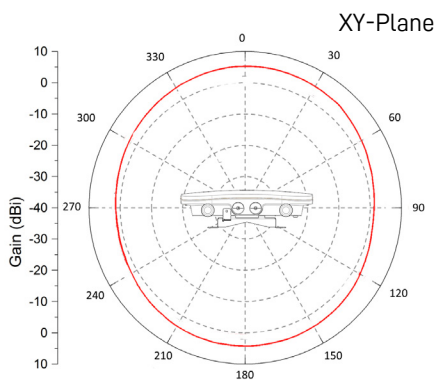
AP Radiation Patterns

AP840E (Dipole) @5550MHz

XY-Plane

XZ-Plane

YZ-Plane
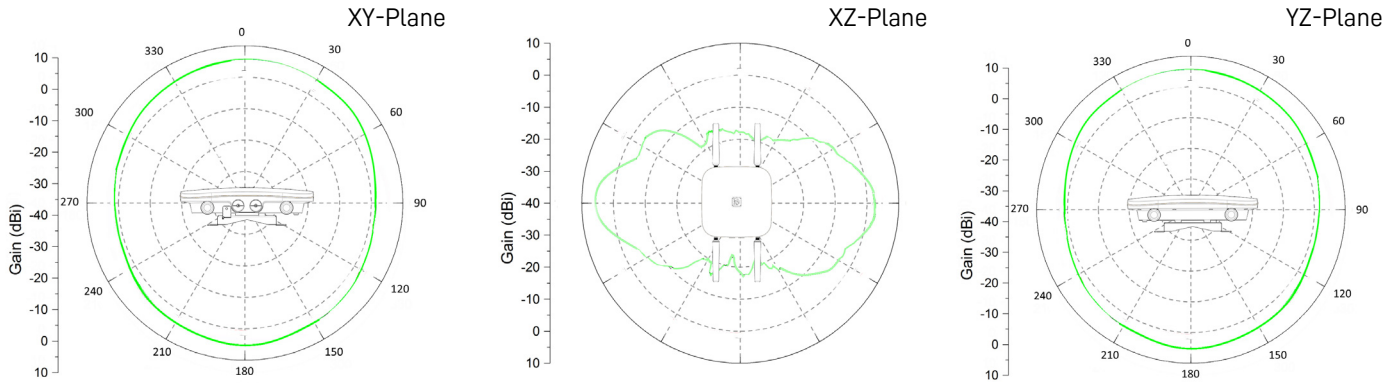
Optional Patch Antenna (AP840E) @2450MHz

XY-Plane

YZ-Plane
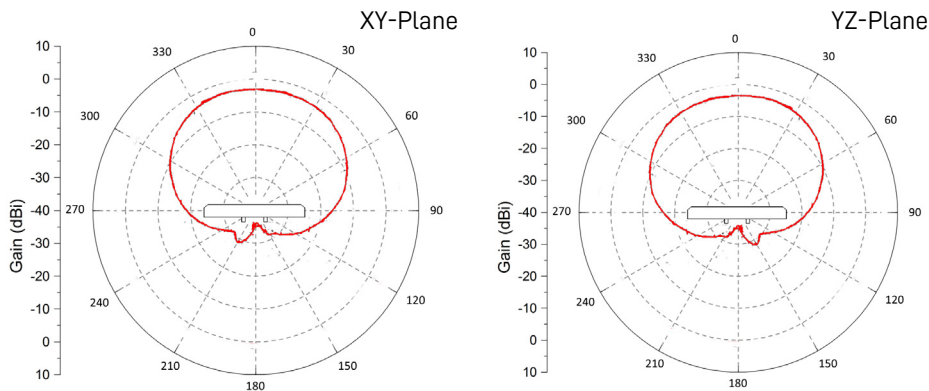
Optional Patch Antenna (AP840E) @5550MHz

XY-Plane

YZ-Plane