

AP840 & AP840E

Efficient and secure WiFi-6 access points



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 mitigate risks with wireless intrusion detection 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.

Next-Gen Efficiency with WiFi-6

The Datto Networking WiFi-6 access points add advanced wireless performance to our MSP-focused AP lineup. The 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 (3.6 gbps). 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 single radio. This enables MSPs to serve larger businesses and venues with at least 50% more coverage than the AP42/62 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.

Born in the Cloud

WiFi begins in the cloud. For Datto Networking, it starts in the Datto Partner Portal, 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

At Datto, we believe in the value of great products and an unwavering commitment to 24x7x365 customer service and support. Every Datto Networking access point ships with a lifetime warranty...backed by our advanced replacement program. If you have an issue with your device, we ship you a new one before you send your damaged device back. That way users are always connected. Powerful networks, the Datto way.

AP840

802.11ax Indoor Cloud-Managed WiFi Access Point

AP840E

802.11ax Indoor/Outdoor Cloud-Managed WiFi Access Point

Wireless Specs & Capacity	AP840	AP840E
Bands	2.4GHz + 5 GHz	2.4GHz + 5 GHz
Wireless Connectivity	802.11a/b/g/n/ac/ax 2.4GHz 4x4, 5GHz 4x4 MU-MIMO + OFDMA 20 and up to 40 MHz channels (802.11ax) 20, 40, and up to 80 MHz (802.11ax)	802.11a/b/g/n/ac/ax 2.4GHz 4x4, 5GHz 4x4 MU-MIMO + OFDMA 20 and up to 40 MHz channels (802.11ax) 20, 40, and up to 80 MHz (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)	2.412-2.484 GHz 5.150-5.250 GHz(UNII-1) 5.735-5.825 GHz (UNII-3)
Speed (Rated)	3.6 Gbps 2.4GHz - 1148Mbps, 5GHz - 2400Mbps	3.6 Gbps 2.4GHz - 1148 Mbps, 5GHz - 2400 Mbps
Range (Approximate)	150'-300' indoor (3-4 Walls)	150'- 300' indoor (3-4 walls), Dipole: 400'-600' outdoor Patch Antenna: 600'-800' outdoor
Max Concurrent Users (At 5 Mbps)	250 per AP	250 per AP
Features	AP840	AP840E
Cloud Management	Built-in cloud management (no onsite controller/management appliance required)	
Security	WPA/WPA2 Personal and Enterprise, WPA3 Personal and Enterprise	
Dedicated Scanning Radio	Yes	Yes
Integrated BLE	Yes	Yes
Automatic Firmware Upgrades	Yes	Yes
Automatic Feature Upgrades	Yes	Yes
Simple Config Plug & Play	Yes	Yes
Self-forming, Self-healing Mesh	Yes	Yes
Seamless Roaming	Yes	Yes
Wireless LAN	4 SSIDs, bridge to LAN, bridge to VLAN (tagging), Public & Private SSIDs, DFS	
Other	Captive portal/splash pages, Facebook Wi-Fi, user management capabilities, and much more.	

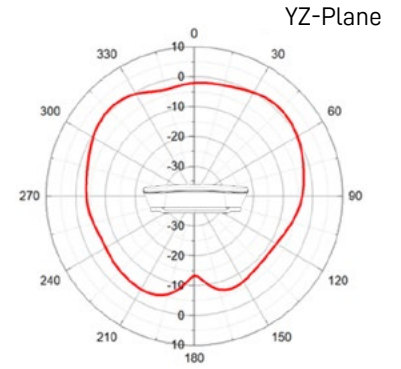
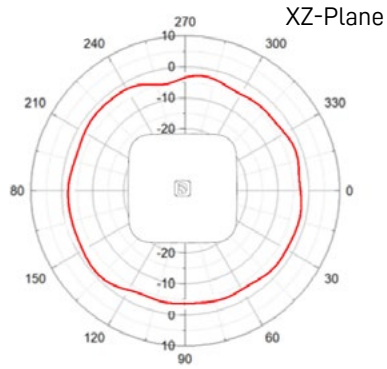
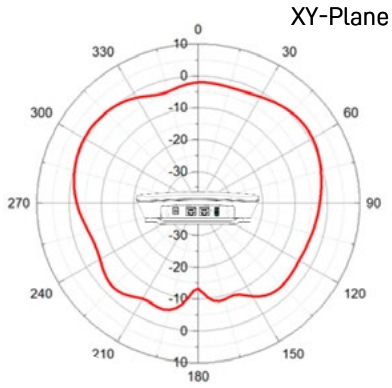
AP840
802.11ax Indoor
Cloud-Managed WiFi Access Point

AP840E
802.11ax Indoor/Outdoor
Cloud-Managed WiFi Access Point

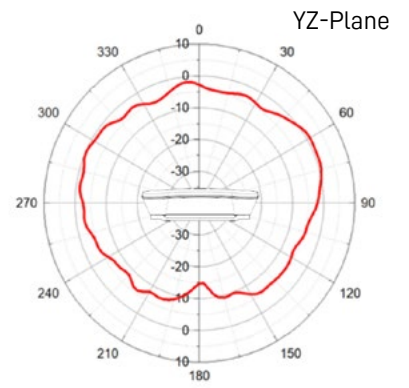
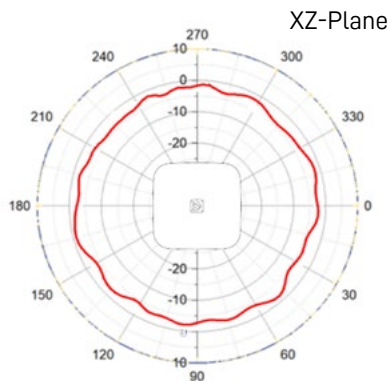
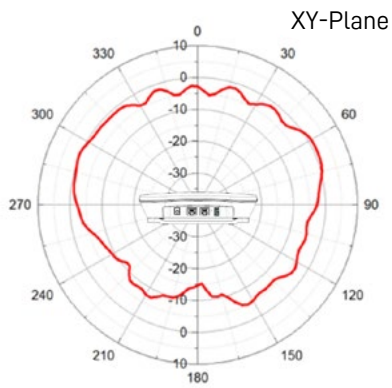
Hardware & Environmental	AP840	AP840E
Warranty	Lifetime Warranty	
Mounting	Installation kit included: T-Rail, Solid ceiling or wall, ethernet Gangbox	Installation kit included: Solid ceiling or wall (Pole mount compatible, steel clamps and grounding cable not included)
External Antennas	No	Yes, omnidirectional included Optional directional patch antenna sold separately
Ethernet/LAN	1x 2.5 Gbps Multigigabit Ethernet 1 X Gigabit Ethernet	1x 2.5 Gbps Multigigabit Ethernet 1 X Gigabit Ethernet
Power Source	802.3at PoE, 48V DC power	802.3at PoE
Power Consumption (Peak)	28.5 W	24.5 W
CPU	Qualcomm IPQ8072A	Qualcomm IPQ8072A
Memory	1G DRAM DDR3	1G DRAM DDR3
LED Indicators	Nine-color LED status indication	
Hardware Watchdog	Yes	Yes
Indoor/Outdoor Rating	Indoor only	UL+CE Marked for Outdoor/Indoor Use, IP55
Certifications	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	0° to 40° C (32° to 104° F)	-20° to 50° C (-4° to 122° F)
Humidity	5% to 93% non-condensing	5% to 93% non-condensing internal
Size	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	0.93Kg (2.03lb)	1.6 Kg (3.55lb)

AP Radiation Patterns

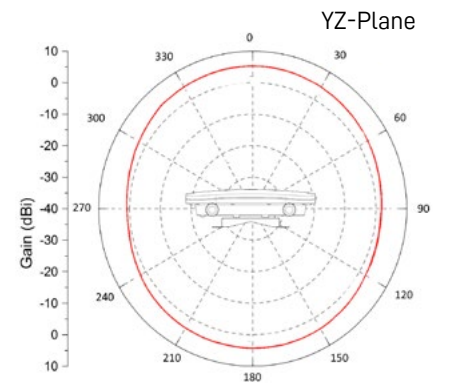
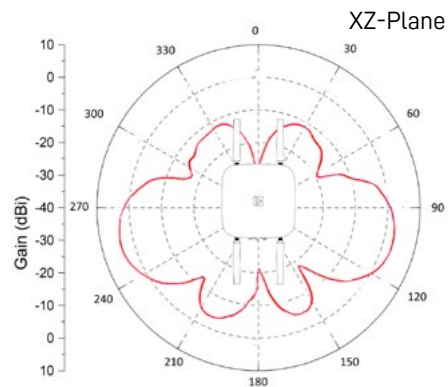
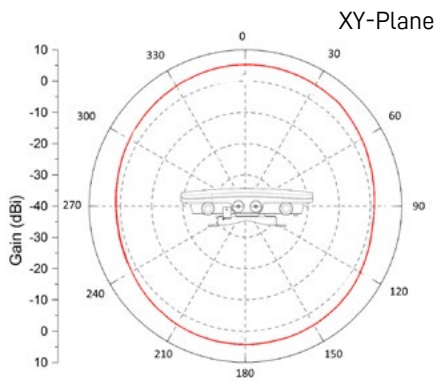
AP840 @2450MHz



AP840 @5550MHz

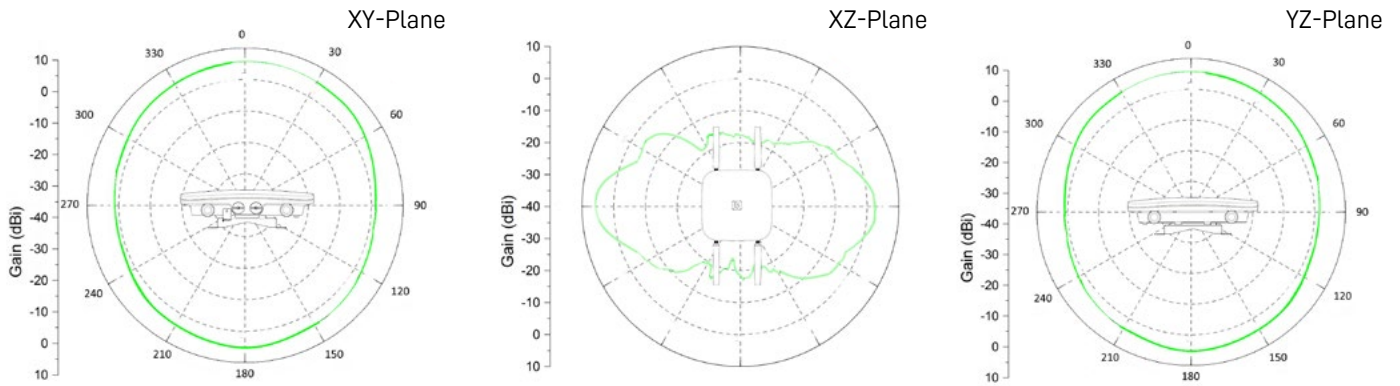


AP840E (Dipole) @2450MHz

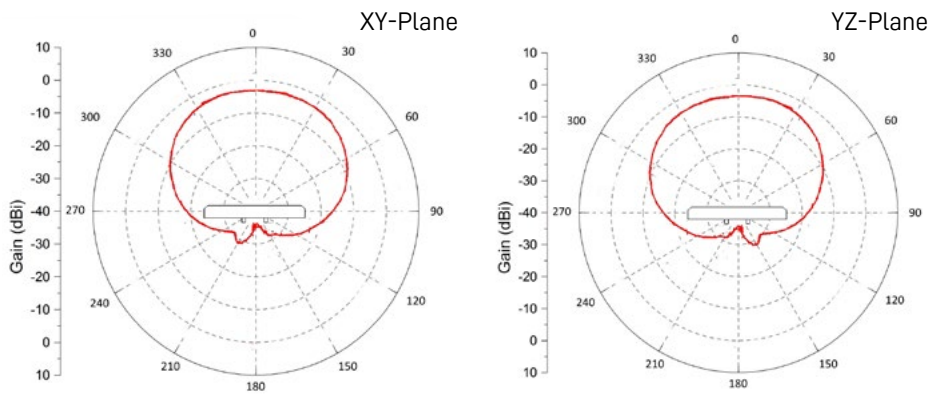


AP Radiation Patterns

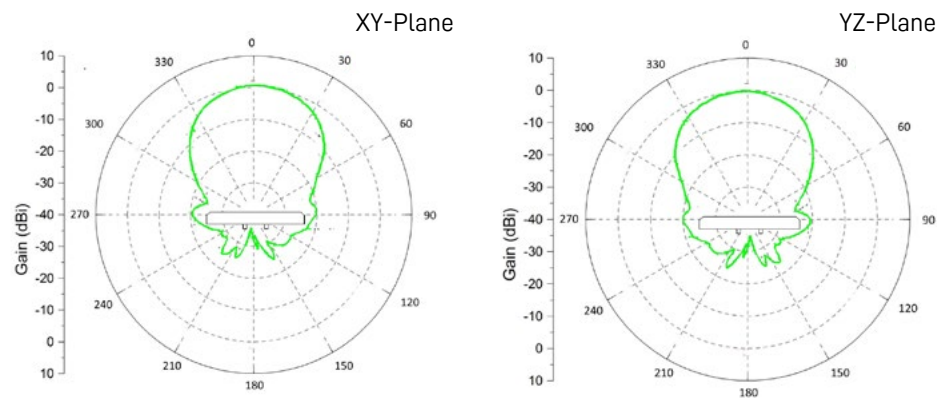
AP840E (Dipole) @5550MHz



Optional Patch Antenna (AP840E) @2450MHz



Optional Patch Antenna (AP840E) @5550MHz



datto

Corporate Headquarters

Datto, Inc. partners@datto.com
 101 Merritt 7 www.datto.com
 Norwalk, CT 06851 888.294.6312
 United States

Global Offices

USA: 888.294.6312
 Canada: 877.811.0577
 EMEA: +44 (0) 118 402 9606
 Australia: +61 (02) 9696 8190
 Singapore: +65-31586291

©2021 Datto, Inc. All rights reserved.
 Updated 23 February 2021