

WiFi-6 Access Points

Enhanced Performance and Security
for Growing Businesses



AP840 & AP840E WiFi-6 Access Points

Growing businesses are seeing the need for Internet connectivity and particularly wireless connectivity skyrocket. Not only do employees expect to be able to get online without being tethered to their desks, but businesses are populated by increasing numbers of wireless devices that need to connect to cloud and company applications to perform properly. In restaurants, hotels, and any business with a waiting room, guest WiFi is a valued amenity. Businesses need to meet more demands for wireless access without letting their networks become overloaded. Meeting these increased demands requires a new generation of wireless technology: WiFi-6.

The update is needed because older WiFi systems suffer from limited bandwidth, unreliable device connectivity, and unprotected internet connections. WiFi-6 improves the speed and efficiency of WiFi networks, as well as the number of connected devices each access point can support. The implementation in Datto's AP840 and AP840E access points also enhances security and provides an increased range for large buildings and outdoor venues.

Secure Networking

Protected networks are productive networks, which is why Datto WiFi-6 Access Points (APs) support WPA3, the third generation of the WiFi Protected Access standard for authenticating users and encrypting data in transit. This helps to protect both private and proprietary data. Better yet, these access points even incorporate wireless intrusion detection to warn you of unauthorized network access.

With Datto's WiFi-6 Access Points, users are secure as soon as they log on. This is simple and reliable WiFi security.

Next-Gen Efficiency with WiFi-6

Newer, faster devices, high-resolution streaming videos, and cloud-based applications all require high bandwidth, low latency, and increased capacity. WiFi-6 unlocks access to High Efficiency (HE) capabilities that deliver increased capacity, throughput, and power with multi-gig speed (3.6 Gbps). The Datto Networking WiFi-6 access points are Hotspot 2.0 ready and will be supported by the industry standard Passpoint® protocol in upcoming releases. 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-optimization and a self-healing mesh network keep your WiFi network stable and reliable, without relying on manual intervention.

Enhanced presence analytics (also known as location analytics) allows you to see patterns in the movement of users and devices, both for network planning and employee or customer behavior analysis.

Expanded WiFi Coverage

As your business grows, you'll need an access point that can keep up with growing demands.

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 access point with a single radio. This enables at least 50% more coverage than the previous generation of access points, both indoors and outdoors. Examples of where this is important include schools, sporting venues, festivals, places of worship, stores, warehouses, and factories with high ceilings and large amounts of radio interference.

Why Businesses Adopt Wifi-6 Access Points

- Improved WiFi speed and efficiency
- Safer, more secure network
- Coverage for larger areas, both indoors and outdoors
- Support more connected devices
- Increased power efficiency benefits battery operated devices

Upgrading to the latest WiFi-6 technology enables wireless networks to manage high bandwidth and connectivity demands, which improves the wireless experience for users. Consider the benefits across industries:



Healthcare: Support mobile medical devices and applications, including telemedicine and imaging. Provide Internet access to patients and their families.



Education: Provide access in the classroom and across campus. Support online learning as well as the use of online resources in traditional classrooms.



Retail: Take Point of Sale devices beyond the checkout counter and expand reach throughout the store. Use mobile computing to track inventory, keep shelves stocked, and tighten security.



Manufacturing: Internet of Things (IoT) technologies are proliferating everywhere but particularly on the factory floor. WiFi-6 is one of the ways manufacturers can keep up with the proliferation of connected devices sending management and maintenance telemetry or even connecting with AI in the cloud to make autonomous decisions.



Hospitality: Internet for travelers who expect access for business by day and streaming video by night. Connectivity for conference attendees who expect to be able to live tweet the keynote and broadcast selfie videos from the exhibit hall.



Construction: These access points are rated for indoor/outdoor use, providing workers and their supervisors with reliable connectivity throughout a job site.

The wireless networking revolution is just getting started, with more exponential growth to come. If that's the kind of growth you want for your business, you need WiFi-6. By supporting more connections with better performance and security, Datto Networking WiFi-6 Access Points will keep you ahead of the curve.

Connect with us today to get set up with the latest in wireless connectivity.

