

# AP432 INDOOR ACCESS POINT

4x4:4 OFDMA, 802.11ax support

One 2.5 Gigabit Ethernet port, eight integrated antennas, PoE+ power



WatchGuard's high-performance Wi-Fi 6 access point is the ideal choice for high-density indoor environments of all shapes and sizes to utilize the most secure WPA3 encryption for a seamless Wi-Fi 6 experience for end users to enjoy.

## PERFECT FOR HIGH-RANGE DENSITY AND GROWING NETWORKS

The AP432 enables high-traffic areas to be supported with lightning-fast speed. Designed for indoor mid-range density, the AP432 delivers superior Wi-Fi 6 performance across distributed networks and is perfect for building a network that is easily scalable.

## CLOUD-BASED MANAGEMENT

You can manage the AP432 with WatchGuard Cloud.

WatchGuard Cloud delivers one simplified platform for Wi-Fi management to easily deploy, configure, and report on one unified security platform. WatchGuard Cloud eliminates the need for any physical or virtual infrastructure requirements, with multi-tier and multi-tenant capabilities through a centralized WatchGuard Cloud management platform.

WatchGuard Cloud environments easily scale from one to an unlimited number of access points across multiple locations. Access points can be grouped in many ways including location, building, floor, customers, and remote users to maintain consistent policies across a distributed network.

## CROSS-PLATFORM BENEFITS

- Simple VPN connectivity to a Firebox managed in WatchGuard Cloud.
- Multi-tier and multi-tenant capabilities through a centralized WatchGuard Cloud management platform with enhanced activation and intelligent inventory management.
- Captive Portal creation with custom corporate branding such as company logos, background, and thumbnail image.
- Enterprise authentication is delivered through easily managed WatchGuard Authentication Domains.
- Centralized management to WatchGuard's portfolio of products such as AuthPoint, Firebox appliances, and endpoint solutions.

## FEATURES & BENEFITS

- Wi-Fi 6 and WPA3 encryption
- Includes 4x4 radio optimized for Wi-Fi 6 with eight omnidirectional internal antennas
- Maximum TX power delivers 23 dBm and a 3 dBi antenna gain
- One PoE+ port supporting up to 2.5 Gbps
- Max data rate up to 1148 Mbps available on the 2.4 GHz band
- Max data rate up to 2.4 Gbps available on the 5 GHz band
- Qualcomm® Cypress IPQ8072A Quad-core A53 ARM processor at 2 GHz with 2 GB RAM and 256 MB Flash

**PHYSICAL SPECIFICATIONS**

	<b>Property</b>		<b>Specification</b>	
	Physical Dimensions		205 mm x 205 mm x 33.2 mm (8.07 in x 8.07 in x 1.31 in)	
	Weight		0.56 kg (1.234 lbs)	
	Operating Temperature		0°C to 40°C (32°F to 104°F)	
	Storage Temperature		-30°C - 80°C (-22°F - 176°F)	
	Humidity		5% to 95% non-condensing	
	Power Consumption		19.5 W (max) / 11.65 W (avg)	
	Processor RAM		Qualcomm IPQ8072A Quad-Core CPU ARM Cortex A53 2.0 GHz with Flash: SPI 8 MB, NAND: 256 MB, RAM: DDR4 2 GB	
	<b>Port</b>	<b>Description</b>	<b>Connector Type</b>	<b>Speed/Protocol</b>
	Power	12V DC/802.3at (PoE+)	3.5 mm overall diameter/ 1.35 mm center pin/hole	N/A
	Reset	Reset to factory default settings	Pin hole push button	Hold down and power cycle the device to reset
LAN / PoE+	Multigig Ethernet port used to connect to the wired LAN and communicate with WatchGuard Cloud. This port can also be used to power the device using the 802.3at (PoE+) standard.	RJ-45	1/2.5 Gbps Gigabit Ethernet 802.3at Class 4 PoE+	

**WI-FI SPECIFICATIONS – Frequency, Modulation, and Data Rates**

IEEE 802.11b/g/n/ax		
	Transmission	
Frequency Band	USA & Canada (FCC/IC)	Europe (ETSI)
	2400 MHz ~ 2473.5 MHz	2400 MHz ~ 2483.5 MHz
Modulation Type	DSSS, OFDM, OFDMA	
Peak Data Rates	Up to 1148 Mbps (MCS 0-15)	
Antenna	Integrated modular high efficiency PIFA antenna x4	
Maximum Transmit Power	Up to 23 dBm and a 3 dBi antenna gain	
IEEE 802.11a/n/ac/ax		
	Transmission	
Frequency Band	USA & Canada (FCC/IC)	Europe (ETSI)
	5.15 GHz ~ 5.25 GHz 5.25 GHz ~ 5.35 GHz 5.725 GHz ~ 5.825 GHz	5.15 GHz ~ 5.25 GHz 5.25 GHz ~ 5.35 GHz 5.47 GHz ~ 5.725 GHz
Dynamic Frequency Selection	DFS and DFS2	
Modulation Type	OFDM, OFDMA	
Peak Data Rates	Up to 2400 Mbps (MCS 0-15)	
Antenna	Integrated modular high efficiency PIFA antenna x4	
Maximum Transmit Power	Up to 23 dBm and a 3 dBi antenna gain	

Physical Specifications	
Antenna	Internal PIFA 4 x 2.4 GHz (3 dBi peak gain) 4 x 5 GHz (3 dBi peak gain)
Ethernet Ports	One 2.5 Gigabit Ethernet port with RJ45 connector type. This port can also be used to power the device using the 802.3at (PoE+).
Reset	Pinhole push button

OPERATIONAL SPECIFICATIONS	
Reset	Pinhole push button
Input Power	12V DC/2A (3.5 mm overall diameter/1.35 mm center pin/hole)/802.3at (PoE+)
Number of Radios	2 Wi-Fi Radios: One 2.4 GHz and 5 GHz radio each for simultaneous dual band client access
MIMO	4x4 for 2.4/5 GHz Radios
Number of Spatial Streams	4 for 2.4/5 GHz Radios
RF Transmit Power	20 dBm per radio chain (max); Actual power for Tx will depend on Country Regulatory Domain
Simultaneous MU-MIMO Clients	4
Users in a MU-MIMO group with a 2x2 client	3
Bandwidth Agility	Yes
Dynamic Frequency Selection	Supported in compliance to all latest amendments from FCC, CE, IC, CB, TELEC, KCC regarding certifications.

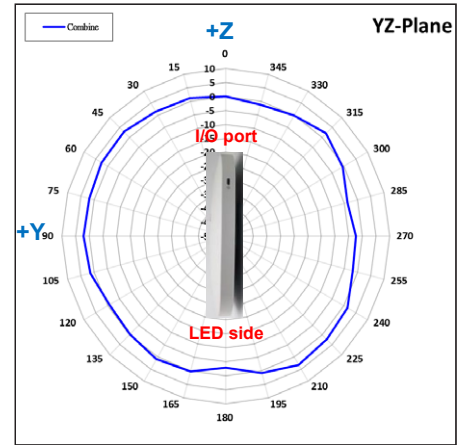
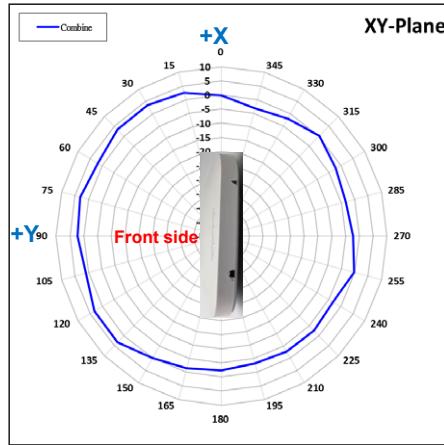
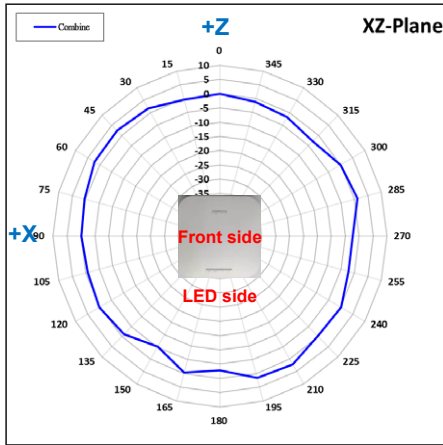
**Note:**

The actual transmit power will be the lowest of:

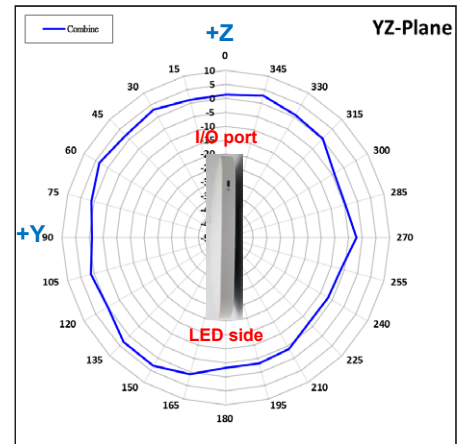
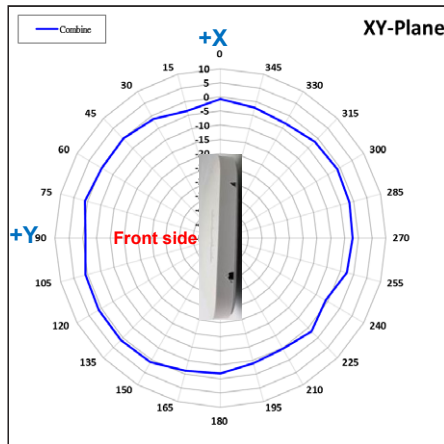
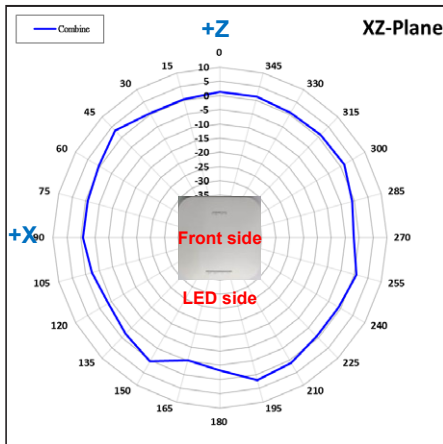
- Value specified in the Radio Settings
- Maximum value allowed in the regulatory domain
- Maximum power supported by the radio

## INTERNAL ANTENNA RADIATION PATTERNS

2.4 GHz Antenna



5 GHz Antenna



## REGULATORY SPECIFICATIONS

RF AND ELECTROMAGNETIC	
Country	Certification
USA	FCC Part 15.247, 15.407
Canada	IC
Europe	CE EN300.328, EN301.893 Countries covered under Europe certification: Austria, Belgium, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Iceland, Luxembourg, Latvia, Lithuania, Malta, Netherlands, Norway, Poland, Portugal, Spain, Sweden, Slovakia, Slovenia, Switzerland, The Czech Republic, and the UK.

SAFETY	
Country	Certification
USA	UL
Canada	cUL
Europe Union (EU)	EN, RoHS



### WI-FI WITH WATCHGUARD - WE'VE GOT YOU COVERED!

From indoor remote workspaces or a small office to rugged, expansive outdoor environments – WatchGuard has a range of Wi-Fi 6 access points to fit every wireless need. WatchGuard's Wi-Fi management license options enable capabilities that support the business needs being faced today and offer the flexibility to evolve alongside the wireless needs of tomorrow.

#### MANAGEMENT LICENSE OPTIONS

FEATURE	STANDARD WI-FI	UNIFIED SECURITY PLATFORM™ WI-FI
Native WatchGuard Cloud Management Features	✓	✓
24/7 Support and Hardware Warranty	✓	✓
Inventory Management	✓	✓
SSH/CLI Access	✓	✓
Configuration of Radio Settings	✓	✓
Configuration of SSID	✓	✓
Configuration of Device Settings	✓	✓
Firmware Updated	✓	✓
24-Hour Reporting/Visibility	✓	✓
Live Status Visibility	✓	✓
WatchGuard Cloud API Integration for PSA	✓	✓
AP Site Templating	✓	✓
Captive Portal	✓	✓
Syslog Server Output		✓
IKEv2 VPN Features (RAP)		✓
30-Day Reporting/Visibility		✓
Future WatchGuard Portfolio Integrations		✓
Future Security and Wi-Fi Features*		✓

\* Features included in the Unified Security Platform license will be determined by WatchGuard. Some features may require additional products from WatchGuard to work.

#### About WatchGuard Technologies, Inc.

WatchGuard® Technologies, Inc. is a global leader in network security, endpoint security, secure Wi-Fi, multi-factor authentication, and network intelligence. The company's award-winning products and services are trusted around the world by more than 18,000 security resellers and service providers to protect more than 250,000 customers. WatchGuard's mission is to make enterprise-grade security accessible to companies of all types and sizes through simplicity, making WatchGuard an ideal solution for midmarket businesses and distributed enterprises. The company is headquartered in Seattle, Washington, with offices throughout North America, Europe, Asia Pacific, and Latin America.

To learn more, visit [WatchGuard.com](http://WatchGuard.com).

### AP432



For additional details, talk to your authorized WatchGuard reseller or visit

[www.watchguard.com/wifi](http://www.watchguard.com/wifi).