

PHYSICAL SPECIFICATIONS

	Property		Specification	
	Physical Dimensions		205 mm x 205 mm x 33.2 mm	
	Weight		850 g (1.87 lb)	
	Operating Temperature		0°C to 40°C (32°F to 104°F)	
	Storage Temperature		-20°C to 65°C (-4°F to 149°F)	
	Humidity		5% to 95% non-condensing	
	Power Consumption		15.9 W (max) / 11.65 W (avg)	
	Processor RAM		Qualcomm® Cypress IPQ6010-0 Quad-core A53 @1.6 GHz with 1 GB RAM and 256 MB Flash	
	Port	Description	Connector Type	Speed/Protocol
	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
	Console	Console port for serial connection to the access point	RJ-45	N/A
	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			
	Scanning	Transmission	
Frequency Band	All regions	USA & Canada (FCC/IC)	Europe (ETSI)
	2400 ~ 2483.5 MHz	2400 ~ 2473.5 MHz	2400 ~ 2483.5 MHz
Modulation Type	DSSS, OFDM, OFDMA		
Peak Data Rates	Up to 574 Mbps (MCS 0-15)		
Antenna	Integrated modular high efficiency PIFA antenna x4 (x2 per band)		
Maximum Transmit Power	20 dBm		
IEEE 802.11a/n/ac/ax			
	Scanning	Transmission	
Frequency Band	All regions	USA & Canada (FCC/IC)	Europe (ETSI)
	4.92 ~ 5.08 GHz		
	5.15 ~ 5.25 GHz	5.15 ~ 5.25 GHz	5.15 ~ 5.25 GHz
	5.25 ~ 5.35 GHz	5.25 ~ 5.35 GHz	5.25 ~ 5.35 GHz
	5.47 ~ 5.725 GHz	5.725 ~ 5.825 GHz	5.47 ~ 5.725 GHz
5.725 ~ 5.825 GHz			
Dynamic Frequency Selection	DFS and DFS2		
Modulation Type	OFDM, OFDMA		
Peak Data Rates	Up to 1201 Mbps (MCS 0-15)		
Antenna	Integrated modular high efficiency PIFA antenna x4 (x2 per band)		
Maximum Transmit Power	21 dBm		

Physical Specifications	
Antenna	Internal PIFA 2x2.4 GHz (2.5 dBi peak gain) 2x5 GHz (3.5 dBi peak gain) 2x2 dual band third radio (non-access)
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+).

OPERATIONAL SPECIFICATIONS	
Reset	Pinhole push button
Input Power	12V DC/1.5A (3.5 mm overall diameter/1.35 mm center pin/hole)/802.3at (PoE+)
Number of Radios	3 Wi-Fi Radios: One 2.4 GHz and 5 GHz radio each for simultaneous dual band client access. A third dual-band radio dedicated to non-access smart scanning; WIPS, RF optimization, remote troubleshooting, and network assurance functions.
MIMO	2x2 for 2.4/5 GHz Radios
Number of Spatial Streams	2 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	Two 1x1 MU-MIMO clients
Users in a MU-MIMO group with a 2x2 client	1
Bandwidth Agility	Yes
Dynamic Frequency Selection	Supported in compliance to all latest amendments from FCC, CE, IC, CB, TELEC, KCC regarding certifications.

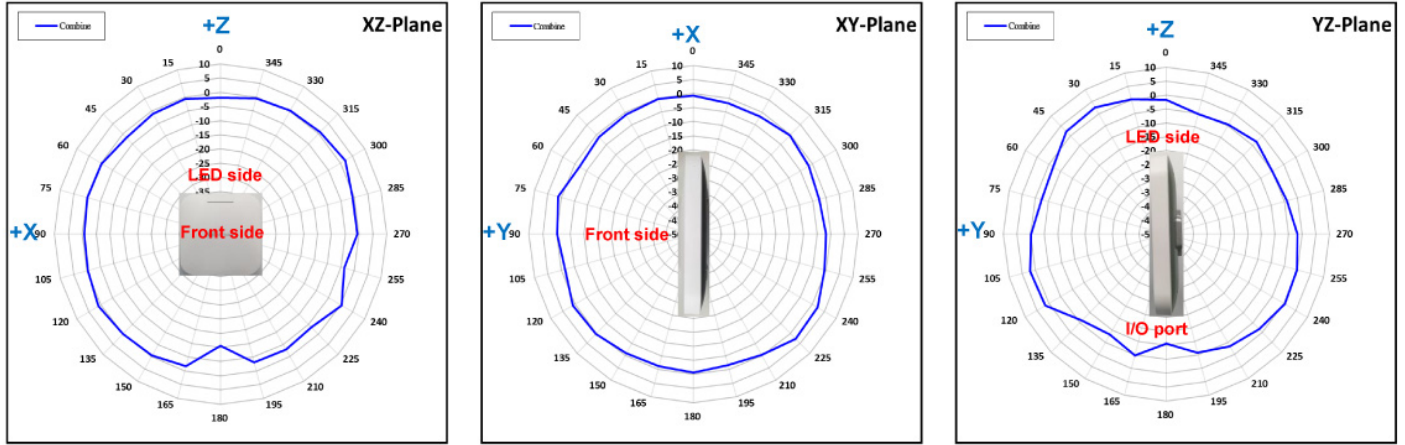
Note:

The actual transmit power will be the lowest of:

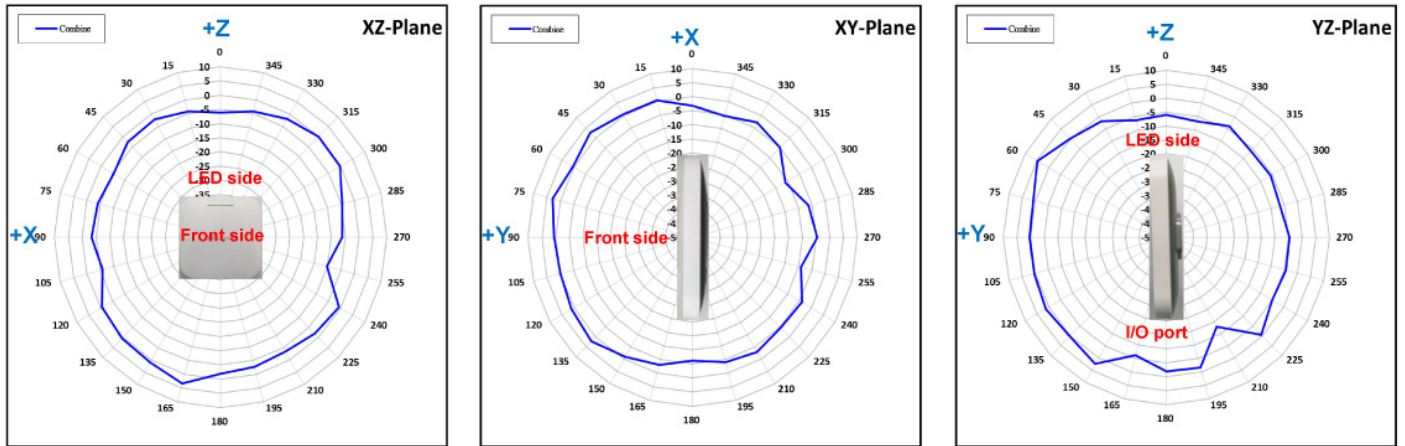
- Value specified in the Radio Settings
- Maximum value allowed in the regulatory domain
- Maximum power supported by the radio

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

