

# ExtremeWireless™ WiNG 7622 802.11ac Access Point

Enterprise Grade Wi-Fi For Small Budgets

## FEATURES

### QUICK AND EASY SCALABILITY

Need Wi-Fi across your chain of small shops and restaurants? ExtremeWireless WiNG 5 makes scaling and managing a fleet of APs fast and effortless.

WiNG 5 lets you build a controller-less solution of up to 25 access points for autonomous sites, while premise-based and distributed branch solutions can easily scale up to thousands of branches and 25,000 APs. All while providing you with a WiNG Assist which guides you through common configuration tasks.

### SHOPPER ENGAGEMENT

Use mobile marketing to engage your customers in novel ways. The AP 7622's integrated Bluetooth® technology supports Apple iBeacon™ to communicate with a loyalty app on a customer's mobile device. Using Google Eddystone™, you can send advertisements directly to shoppers' mobile devices even without a loyalty app pre-installed.



## Product Overview

Priced for the mass market, the enterprise-grade ExtremeWireless WiNG AP 7622 is ideal for budget-conscious business owners like you. While the competition claims to offer value, they strip their APs to the point of being an empty promise. Not so with the AP 7622. Gentle on wallets, its intelligent ExtremeWireless WiNG 5 operating system is aggressive in outwitting interference and congestion that can disappoint your customers and hinder your business. With its non-tech simplicity, installing it, setting it up, and managing it is a no-brainer, whether on-premise or private cloud with Extreme NSight™. Have a chain of shops and restaurants? The sky's the limit for massive scalability, reliable connectivity, and capabilities no other access point can match.

## Best Value Enterprise-Grade 802.11ac

Why compromise quality for price? The AP 7622 doesn't just lower your expenses; it elevates your wireless experience. You can get the lowest-priced AP on the market offering the most robust set of enterprise-class features, so you can avoid the hidden costs of cheaply-made access points.

## Designed for Small Spaces

If you are a small retailer, restaurant, quick serve, or cafe, the AP 7622 is designed for you. Until now, you had little choice. Buy a complex and expensive AP designed for conglomerates or a cheap, consumer-grade product prone to fail. The AP 7622 solves all that. Extreme Networks pared it down so it won't overwhelm your business or budget. Yet, it's still incredibly reliable and powerful.

## Non-Tech Simplicity

Don't have an IT department? Don't worry, the AP 7622 was created for people already busy running their own business – just like you. Out of the box, the AP 7622 can easily fit into your shop or restaurant, as its housing comes with a built-in T-bar mounting clip. Simply twist in place. With zero-touch setup, there's nothing to it. Whether you install one or one thousand APs across your entire chain, management will be a cinch with WiNG 5 management, with the user-friendly design, auto-provisioning, auto-adoption to a WiNG Controller, and automatic RF management.

## Robust Connectivity

The AP 7622's WiNG 5 operating system ensures your network automatically avoids bottlenecks, interference interruptions, and roaming glitches. Additionally, the AP 7622 includes a flexible radio design that can be easily tailored to the application. For

your small shop or restaurant's wireless network, configure the AP 7622 as a dual-band access point. If you have a small warehouse with mobile inventory, configure it as a 2x2, 2.4GHz AP to increase range and support mobile computers.

## Specifications

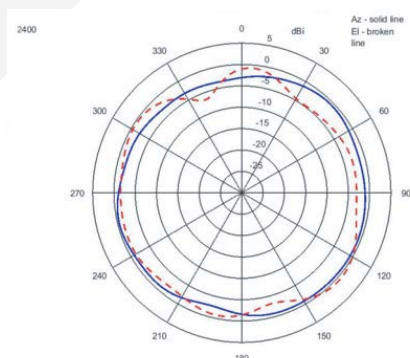
802.11AC CAPABILITIES				
Multi-operational modes including real-time dual-band, dual-concurrent		AMSDU, AMPDU, RFIS, STBC (when running 2x2 single band), LDPC		
2.4GHz + 5GHz concurrent single stream (1x1:2.4G + 1x1:5G)		MIMO power save (static and dynamic)		
2.4GHz or 5GHz dual stream (2x2:2.4G or 2x2:5G)		Maximal Ratio Combining (MRC) when running single-band mode		
20, 40, 80 MHz Channels		Standard 802.11ac		
NETWORKING				
Layer 2 and Layer 3	Layer 3 routing, 802.1q, DynDNS, DHCP server/ client, BOOTP client, PPPoE, and LLDP			
Security	Stateful Firewall, IP filtering, NAT, 802.1x, 802.11i, WPA2, WIDS/WIPS, IPSec, RADIUS svr			
QoS	WMM, WMM-UAPSD, 802.1p, COS, Diffserv. Role-based QoS and packet marking			
RADIO SPECIFICATIONS				
Mode 2.4GHz	Maximum conducted Tx power: 19dBm			
Mode 5GHz	Maximum conducted Tx power: 17dBm			
Transmit power increments	1dBm			
Operating Channels and Frequencies	2.4 GHz band: channel 1-13; 2412 to 2472 MHz 5.2 GHz band: channel 36-165; 5180 to 5850 MHz 2.4GHz Bluetooth: channel 0-78 Channel availability depends on local regulatory restrictions			
Wireless Medium	DSSS, OFDM, MIMO			
Network Standards	IEEE 802.11a/b/g/n/ac, 802.11d, and 802.11i WPA2, WMM, WMM-UAPSD, L2TPv3, Client VPN, MESH, Captive Portal server, BT2.0, BLE 802.11b/g: 1,2,5,5,11,6,9,12,18,24,36,48, and 54 Mbps 802.11a: 6,9,12,18,24,36,48, and 54 Mbps			
RADIO SENSITIVITY AND TRANSMIT POWER				
MODE	SS	BW	TX	PWR SENS
2.4G,DSSS,1Mbps	-	20	19	-94
2.4G, DSSS, 11Mbps	-	20	19	-86
2.4G, OFDM, 54Mbps	-	20	15	-73
2.4G, MCS 0	1	20	18	-89
2.4G, MCS 0	1	40	18	-88
2.4G, MCS 15	2	20	15	-72
2.4G, MCS 15	2	40	15	-69
5G, OFDM, 6Mbps	-	20	17	-89
5G, OFDM, 54Mbps	-	20	13	-72
5G, VHT MCS 8	2	20	10	-65
5G, VHT MCS 9	2	40	10	-61
5G, VHT MCS 9	2	80	10	-58
PHYSICAL CHARACTERISTICS				
Dimensions	4 " x 4" x 1.5"; 150mm x 140mm x 39mm			
Weight	0.85bs (0.32kg)			
Housing	Plastic plenum-rated housing			
Mounting	Included mounting for flush mount or T-bar mount			
LEDs Indicate system status	Green, Amber, Blue			
LAN	One IEEE 802.3 Gigabit Ethernet auto-sensing			
Antenna	Internal			
Console	RJ45			

USER ENVIRONMENT	
Operating temperature	32°F to 104°F/0°C to 40°C
Storage temperature	-40°F to 158°F/-40°C to 70°C
Operating humidity	95% RH non-condensing
Electrostatic discharge	15kV air, 8kV contact
DC SPECIFICATIONS	
Typical / Max power	4.5 watts/6 watts
DC power	12VDC, 850ma, 2.5mm center positive
ACCESSORIES	
DC power supply	PWR-BGA12V50W0WW
DC line cord, 2.5mm	CBL-DC-387A1-01
Extended T-bar kit	KT-135628-01
I-beam clip	BRKT-000147A-01
REGULATORY	
UL/cUL 60950-1, IEC/EN60950-1, UL2043, RoHS. FCC (USA), EU, TELEC*	
PRODUCT SKU	
AP-7622-680B30-US	802.11ac dual-band radio 1x1; or single-band radio 2x2, internal antenna, BLE, 1xGE (US sku)
AP-7622-680B30-EU	802.11ac dual-band radio 1x1; or single-band radio 2x2, internal antenna, BLE, 1xGE (EU sku)
AP-7622-680B30-WR	802.11ac dual-band radio 1x1; or single-band radio 2x2, internal antenna, BLE, 1xGE (WR sku)

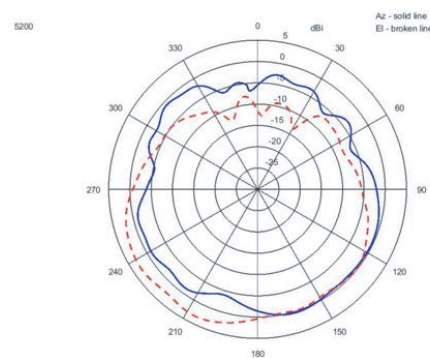
Note: \* pending regulatory approval

## Antenna Information

### 2.4GHZ PEAK GAIN: 3.6 DBI



### 5GHZ PEAK GAIN: 5.8 DBI



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