

## Highlights

### 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<sup>®</sup> technology supports Apple iBeacon<sup>™</sup> to communicate with a loyalty app on a customer's mobile device. Using Google Eddystone<sup>™</sup>, you can send advertisements directly to shoppers' mobile devices even without a loyalty app pre-installed.



# ExtremeWireless<sup>™</sup> WiNG 7622 802.11ac Access Point

Enterprise Grade Wi-Fi For Small Budgets

## 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<sup>™</sup>. 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
- 2.4GHz + 5GHz concurrent single stream (1x1:2.4G + 1x1:5G)
- 2.4GHz or 5GHz dual stream (2x2:2.4G or 2x2:5G)
- 20, 40, 80 MHz Channels
- AMSDU, AMPDU, RFIS, STBC (when running 2x2 single band), LDPC
- MIMO power save (static and dynamic)
- Maximal Ratio Combining (MRC) when running single-band mode
- 802.11ac Wave 2 \*

### 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

\* 802.11AC radio is spectrum analysis capable, an advanced 802.11AC wave 2 feature that can be supported in the future

## 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

## Physical Characteristics

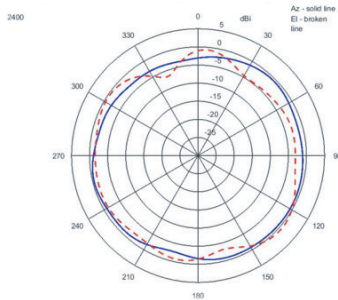
- Dimensions
  - 4 " x 4" x 1.5"; 150mm x 140mm x 39mm
- Weight
  - 0.85bs (0.32kg)
- Housing
  - Plastic plenum-rated housing
- Mounting
  - Included mounting for flush mount or T-bar mount
- LEDs Indicate system status
  - Green, Amber, Blue
- LAN
  - One IEEE 802.3 Gigabit Ethernet auto-sensing
- Antenna
  - Internal
- Console
  - RJ45

## User Environment

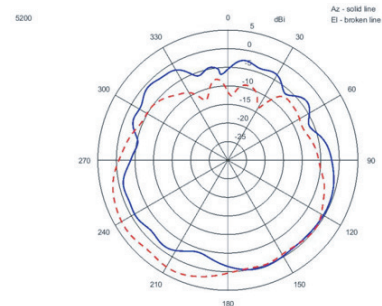
- Operating Temperature
  - 32°F to 104°F/0°C to 40°C
- Storage Temperature
  - -40°F to 158°F/-40°C to 70°C
- Operating Humidity
  - 95% RH non-condensing
- Electrostatic Discharge
  - 15kV air, 8kV contact

## Antenna Information

### 2.4 GHZ Peak Gain: 3.6 DBI



### 5 GHZ Peak Gain: 5.8 DBI



Note: \* pending regulatory approval

The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Extreme Networks is under license. Other trademarks and trade names are those of their respective owners.



<http://www.extremenetworks.com/contact> / Phone +1-408-579-2800

©2017 Extreme Networks, Inc. All rights reserved. Extreme Networks and the Extreme Networks logo are trademarks or registered trademarks of Extreme Networks, Inc. in the United States and/or other countries. All other names are the property of their respective owners. For additional information on Extreme Networks Trademarks please see <http://www.extremenetworks.com/company/legal/trademarks>. Specifications and product availability are subject to change without notice. 11344-0717-14

## DC Specifications

- Typical/Max Power
  - 4.5 watts/6 watts
- DC Power
  - 12VDC, 850ma, 2.5mm center positive

## Accessories

- DC Power Supply
  - 12VDC, 850ma, 2.5mm center positive
- 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-7622-68B30-US
  - 802.11ac dual-band radio 1x1; or single-band radio
  - 2x2, internal antenna, BLE, 1xGE (US sku)
- AP-7622-68B30-EU
  - 802.11ac dual-band radio 1x1; or single-band radio
  - 2x2, internal antenna, BLE, 1xGE (EU sku)
- AP-7622-68B30-WR
  - 802.11ac dual-band radio 1x1; or single-band radio
  - 2x2, internal antenna, BLE, 1xGE (WR sku)