Extreme™
Customer-Driven Networking

Data Sheet

Highlights

Ideal Applications

- Hospitality

One AP per Guest Room

- Put wireless signals and high throughput where the guest is - in the room

Affordable

- Priced right to deploy one access point per room
- Elimination of expensive site surveys
- Zero-disruption installations
- Centralized management

Quick Installation

- Hook-and-snap mounting system makes it possible to install in less than five minutes

BUILT ON BROADCOM

ExtremeWireless™ WiNG AP 7602 Indoor Access Point

802.11ac Wave 2 Wall Plate: Get Personal with Guest Networks

Product Overview

One enterprise-grade access point per guest room – that's the groundbreaking promise of the ExtremeWireless WiNG AP 7602, Extreme Networks' new, enterprise-grade wall plate. This surprisingly low-priced AP is rich in functionality that can differentiate your business. Now, you can leap ahead of Wi-Fi demand with such over-the-top services as Bring Your Own Network (BYON), IPTV, and ultra high-definition programs. Thanks to the AP 7602's integrated location technology, you can push enticing offers to in-room guests and residents via their mobile devices to personalize their stay. No need to interrupt business or lose revenue to install. The AP 7602 is so ingeniously designed that it can be installed in less than five minutes.

One AP per Guest Room for the Ultimate Wi-Fi Experience

Having one AP 7602 in each guest room radically improves signal levels and power. Now, every smartphone, wearable device, and laptop a guest brings can be supported with superior connectivity and lightning speeds.

Plus, guests can enjoy the latest and coolest technology, such as ultra high-definition streaming voice and video, gaming, BYON, and IPTV. All this goes far to set your business apart from the rest.

Affordable Entry and Ownership

From purchase to deployment to management, the AP 7602 wall plate packs in value. Its exceptional value price makes it feasible to install in each guest room. Its enterprise-grade ExtremeWireless WiNG 5 operating system offers no compromises in quality, thanks to its application-optimized data plane and distributed control-plane intelligence. The savings continue to add up with the elimination of expensive site surveys, zero-disruption installations, and centralized management via ExtremeWireless WiNG 5* or NSight™ Platform*.

* Sold separately.

Rapid Installation

Imagine a deployment with no disruption to guests, residents, or revenue. The AP 7602's proven, hook-and-snap mounting system makes it possible to install in less than five minutes. When housekeeping is finished with the room, so too is the installation. With its tapered wedge shaped form factor and unobtrusive aesthetics, the AP 7602 can be placed over any in-wall telecommunications junction box or on a flat surface without interfering with the room décor.

Personalized Engagement

Make your guests' stay more memorable with personalized offers and timely information. The AP 7602's integrated Bluetooth® technology supports Apple iBeacon™ to communicate with a loyalty app on a guest's mobile device. Using Google Eddystone™, you can send advertisements directly to guests, conference attendees, and residents, even without a loyalty app pre-installed.

Easy Management

With a modern, WiNG 5 distributed operating system, the AP 7602 offers four deployment modes to meet any requirement. Deploy it as a stand-alone AP with no controller, as a virtual controller with up to 25 AP 7602 access points, or with any of the WiNG 5 Site or NOC controllers to manage up to 25,000 access points from a central network operations center.

Specifications

Product Features	AP 7602
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*
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 **2.4 GHz Bluetooth:** Channel 0-78 *Channel availability depends on local regulatory restrictions*
Wireless Medium	DSSS, OFDM, MIMO
Network Standard	WPA2, WMM, WMM-UAPSD, L2TPv3, Client VPN, MESH, Captive Portal server, BT 2.0, BLE 4.0 **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 **802.11n:** MCS HT 0-15 up to 300 Mbps **802.11ac:** MCS VHT 0-9 up to 867 Mbps

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

Specifications (cont.)

Product Features	AP 7602
Physical Characteristics	
Dimensions	5.7 " x 4" x 1.1"; 145mm x 102mm x 28.6mm
Weight	0.5lbs; 0.32kg
Housing	Plastic with aluminum backplate
LEDs	Indicate system status: Green, Amber, Blue
LAN	One IEEE 802.3 Gigabit Ethernet auto-sensing
Antenna	Internal
Console	Not user-accessible
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[1]
DC Line Cord, 2.5 mm	CBL-DC-387A1-01
Regulatory	
Product Safety Certifications	UL / cUL 60950-1, IEC / EN60950-1, RoHS. FCC (USA), EU, TELEC[2]

[1] Requires local AC line cord

[2] Pending regulatory approval

Ordering Information

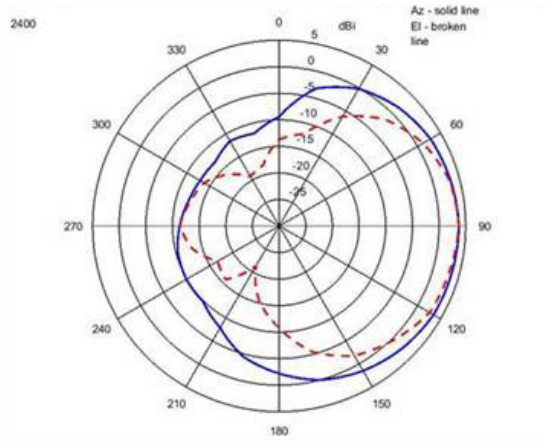
Product SKU	SS
AP-7602-68B30-US	802.11ac wallplate, dual-band radio 1x1; or singleband radio 2x2, internal antenna, BLE, 2xGR (US sku)
AP-7602-68B30-1-WR	802.11ac wallplate, dual-band radio 1x1; or singleband radio 2x2, internal antenna, BLE, 2xGE (WR sku)
AP-7602-68B30-IL	802.11ac wallplate, dual-band radio 1x1; or singleband radio 2x2, internal antenna, BLE, 2xGE (Israel)
Included in Box	Access point, 100mm RJ45 cable, security screw, mounting bracket, QIG

Radio Sensitivity and Transmit Power

Mode	Spatial Stream	Bandwidth	Transmit Power	Sensitivity
2.4G, DSSS, 1 Mbps	-	20	19	-96
2.4G, DSSS, 11 Mbps	-	20	19	-87
2.4G, OFDM, 54 Mbps	-	20	15	-73
2.4G, MCS 0	1	20	18	-90
2.4G, MCS 0	1	40	18	-88
2.4G, MCS 15	2	20	15	-72
2.4G, MCS 15	2	40	15	-68
5G, OFDM, 6Mbps	-	20	17	-90
5G, OFDM, 54Mbp	-	20	13	-73
5G, VHT MCS 8	2	20	10	-65
5G, VHT MCS 9	2	40	10	-62
5G, VHT MCS 9	2	80	10	-58

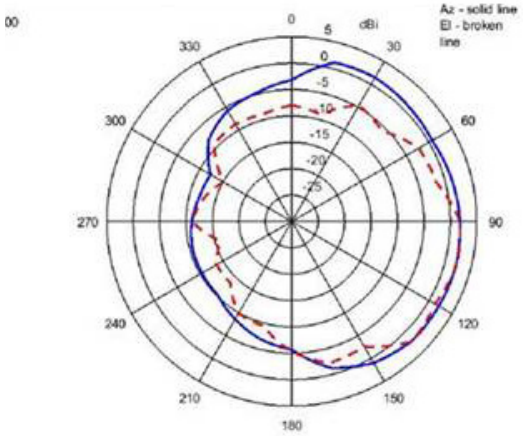
7602 Antenna Radiation Patterns

2.4GHz Peak Gain: 4dBi



7602 Antenna Radiation Patterns

5GHz Peak Gain: 6dBi



Warranty

As a customer-centric company, Extreme Networks is committed to providing quality products and solutions. In the event that one of our products fails due to a defect, we have developed a comprehensive warranty that protects you and provides a simple way to get your products repaired or media replaced as soon as possible.

For full warranty terms and conditions please go to: http://www.support.extremenetworks.com

Service and Support

Extreme Networks provides comprehensive service offerings that range from Professional Services to design, deploy, and optimize customer networks, with customized technical training, to service and support tailored to individual customer needs.

Please contact your Extreme Networks account executive for more information about Extreme Networks Service and Support.

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