

# ExtremeWireless™ WiNG 7502E 802.11ac Access Point

Enterprise-Class Wall Plate 802.11ac Access Point

## EXTREMEWIRELESS WiNG EXPRESS

For midsize businesses, the ExtremeWireless WiNG Express portfolio provides the ability to deploy an enterprise-grade network that is affordable and scalable with ease.

Businesses with up to 25 7502E access points get the power of centralized management — without the need to purchase and manage a controller. Deployment of WiNG Express Manager can help deploy a network with different WiNG Express Access Points and scale with more than 25 access points.

For features supported by the WiNG Express portfolio, please see the WiNG Express portfolio brochure.



## Easily Deliver Cost-Effective High-Performance Wireless Connectivity in Public-Facing Micro-Cell Environments

The ExtremeWireless WiNG 7502E access point is purpose-built for public-facing micro-cell environments such as hotel and patient rooms, classrooms, and apartments. The dual 802.11n and 802.11ac radios, five internal antennas, plus a host of Extreme Networks-only features provide a dependable high-performance wireless connection for every user and every mobile device in the room. Its revolutionary small size makes it easy to install anywhere, while the understated design allows it to easily hide in plain sight. Deployment couldn't be easier or faster — the AP 7502E can be installed in just a few minutes, with zero-touch automatic configuration.

## Enterprise-Grade Wireless for Midsize Businesses

ExtremeWireless WiNG Express brings the power of award-winning enterprise-grade WiNG 5 architecture to midsize businesses. With WiNG Express, smaller businesses now have access to the latest wireless technology and always-on capability trusted by large enterprises. In addition, the portfolio contains purpose-built enterprise-grade products for midsize businesses that will allow customers to scale their network with their business.

## WiNG Express Fast Provisioning

WiNG Express products can be configured and deployed in about 5 minutes. After powering on the access point, users can connect to “WiNGExpress” SSID and go to [www.ExtremeNetworks.com/wingexpress](http://www.ExtremeNetworks.com/wingexpress) to configure the access point. Once an access point is configured, the user can enable the virtual controller feature and let the access point configure and manage additional access points by simply adding them to the network.

## WiNG Express User Interface

WiNG Express is Extreme Networks' powerful enterprise-class WLAN operating system wrapped in an easy-to-use and easy-to-understand graphical user interface that makes end-to-end deployment and management of WLAN network easy for midsize businesses. The user interface provides a concise menu with time-tracked network and client information. As such, WiNG Express User Interface empowers smaller businesses with valuable information available to enterprise customers in a meaningful way, allowing your business to leverage wireless applications to drive business.

## Two Radios for Comprehensive Mobile Device Support

With its dual 802.11n and 802.11ac radios, the AP 7502E supports all the mobile devices that walk through your door, from legacy 2.4 GHz devices to today's new 5 GHz consumer smartphones. The next-generation 802.11ac radio empowers your network with fifth-generation Wi-Fi — more than double the throughput of 802.11n — helping provide the capacity and speeds your network needs to handle multiple devices running multiple bandwidth-hungry applications.

## Tamper-Proof Design

Since the AP 7502E is readily accessible to guests and patients, we made it virtually tamper-proof. Once the AP 7502E is snapped into its metal bracket that is mounted to the wall, it cannot be removed without a special tool. For additional security, you can also bolt the AP 7502E directly to the metal bracket with a special torque screw that also cannot be removed without a special tool.

## Easy and Flexible Management Modes

Choose the management mode that best meets the needs of your technology environment. The AP 7502E can be easily managed and adopted by an ExtremeWireless WiNG controller. With virtual controller mode, one AP 7502E can adopt up to 24 additional AP 7502E access points by simply logging into one AP 7502E and clicking on the Virtual Controller check box — ideal for smaller organizations that don't require or want a physical controller appliance. In addition, the AP 7502E can also operate in stand-alone mode, where it can be managed individually, or as part of a larger network in a remote office, ensuring the continuation of wireless services — even if the connection to the centralized controller is lost.

The AP 7502E micro-cell access point — providing low-cost high-performance Wi-Fi services in guest rooms, patient rooms, classrooms, and more.

## Technical Specifications

PRODUCT FEATURES	DESCRIPTION
<b>PHYSICAL CHARACTERISTICS</b>	
Dimensions	3.5 in. L x 3.7 in. W x 1.35 in. H 90 mm L x 95 mm W x 35 mm H Extends into wall cavity .25 in./ 7mm
Weight	0.5 lbs./0.23 kg
LED Activity Indicators	Two single-color status LEDs
<b>RADIO SPECIFICATIONS</b>	
Wireless medium	Direct Sequence Spread Spectrum (DSSS), Orthogonal Frequency Division Multiplexing (OFDM), Modulation and Coding Scheme (MCS), High Throughput (HT)
Network standards	IEEE 802.11a/b/g/n/ac, 802.11d and 802.11i WPA2 and WMM
Data rates supported	802.11b: 1, 2, 5.5 and 11 802.11g/a: 6, 9, 12, 18, 24, 36, 48 and 54 Mbps 802.11n: MCS 0-15 up to 300 Mbps 802.11ac: MCS 0-8 up to 867 Mbps
Operating frequencies	2.4 GHz band: 2400 - 2483.5 MHz, 5.2 GHz band: 5150 - 5250 MHz, 5725 - 5850 MHz
Antenna configuration	2.4GHz: Two internal omni-directional, 1x2, 2x2, MIMO, 3dBi peak gain 5GHz; Two internal omni-directional, 1x2, 2x2, MIMO, 5dBi peak gain Bluetooth; one internal omni-directional
Transmit power	6dBm to 15dBm per transmit chain 1dB increments (Actual transmit power dependent on national limits)
Receiver sensitivity	2.4GHz band: -96dBm @ 1Mbps; - 74dBm @ MCS7 40MHz 5.2GHz band: -95dBm @ 6Mbps; - 73dBm @ MCS7 40MHz
Bluetooth LE	2400 - 2483.5KHz in 2MHz channels, user configurable UUID, beacon period, format
<b>AVAILABLE INTERFACES</b>	
802.11 Wireless Interface	Dual Radio; 802.11a/b/g/n/ac, 2.4GHz and 5.2GHz
Bluetooth LE Interface	Single BLE transceiver
LAN Ethernet ports	3 x IEEE 802.3 10/100Mb auto-sensing
Uplink LAN Ethernet	1 x IEEE 802.3 Gigabit Ethernet auto-sensing

PRODUCT FEATURES	DESCRIPTION
<b>POWER</b>	
Access point	6.5w operating
PoE PD	802.3af, 802.3at
PoE PSE	802.3af when input is 802.3at; - 6.5w when input is 802.3af; no output when input is DC wall brick
<b>ENVIRONMENTAL</b>	
32 ° F to 104° F/0 ° C to 40° C, 5% to 90% non-condensing	
<b>MOUNTING</b>	
Universal mounting bracket for worldwide structured cable boxes; includes US 70 mm x 115 mm decor trimplate	
<b>REGULATORY</b>	
FCC 15.247, 15.407 / EN300 328, EN 301 893; UL EU EN 60950-1 2nd Ed., ANZ RCM, UL 2043; FCC Part 15 Subpart B, EN 55022: 2010 + A1: 2007, ICES - 003 Class B) EN 55024: 2010 + A1: 2001 + A2: 2003; EU RoHS Directive 2011/65/EU (EN50581: 2012 Standard); CE, IC, FCC	
<b>ORDERING INFORMATION</b>	
AP-7502E-67030-US	802.11ac/802.11n Dual- Radio Wall Plate AP; Universal mounting bracket and US-sized decorative trim included
AP-7502E-67030-WR	



The Wi-Fi CERTIFIED™ Logo is a certification mark of Wi-Fi Alliance®.



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

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