



ENTERPRISE CLASS WALL PLATE 802.11AC ACCESS POINT

AP 7502E 802.11ac ACCESS POINT

EASILY DELIVER COST-EFFECTIVE HIGH-PERFORMANCE WIRELESS CONNECTIVITY IN PUBLIC-FACING MICRO-CELL ENVIRONMENTS

The AP 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 Motorola-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

WiNG Express brings the power of enterprise award-winning 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, user can connect to "WiNGExpress" SSID and go to motorolasolutions.com 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

For midsize businesses, the WiNG Express portfolio provides the ability to deploy an enterprise-grade network that is affordable and scalable with ease. Businesses with up to 25 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.

SPECIFICATION SHEET

AP 7502E

WiNG EXPRESS USER INTERFACE

WiNG Express is Motorola Solutions' 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.

TECHNICAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

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

AVAILABLE INTERFACES

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

RADIO SPECIFICATIONS

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

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 a Motorola Solutions wireless 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 a single checkbox — ideal for smaller organizations that don't require or want a wireless switch. In addition, the AP 7502E can also operate in standalone mode, where it can be managed individually, ensuring the continuation of wireless services — even if the connection to the centralized controller is lost.

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

POWER

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

ENVIRONMENTAL

32 ° F to 104° F/0 ° C to 40° C, 5% to 90% non-condensing

MOUNTING

Universal mounting bracket for worldwide structured cable boxes; includes US 70 mm x 115 mm decor trimplate

REGULATORY

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

ORDERING INFORMATION

AP-7502E-67030-US 802.11ac/802.11n Dual Radio Wallplate AP;
AP-7502E-67030-WR Universal mounting bracket and US sized decorative trim included

SPECIFICATION SHEET

AP 7502E

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

For more information, please visit www.motorolasolutions.com/wingexpress or access our global contact directory at www.motorolasolutions.com/contact us



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