ZEBRA AP 6511E 802.11N WALLPLATE ACCESS POINT

POWERFUL WI-FI FOR HOTELS, DORMITORIES AND HOSPITALS

The AP 6511E was designed to be installed in any location; plenum space, flush to a wall surface, or over a structured wiring telecom box. This intelligent product design allows the wireless LAN to be installed in minutes, not hours, to support a range of mobile devices such as laptops, tablets, and smartphones. In multiple dwelling units such as hotels ; high attenuation fire walls, mirrors, plumbing and ceramic tile can require extensive planning for the wireless LAN. Because the AP 6511E can be installed by standard service personnel using existing CAT5/6 cabling in the wall, deployment is a snap. The AP's sleek " hide in sight" design and small size blends with the room aesthetics, very important for hospitality markets

ENTERPRISE-GRADE WIRELESS FOR MIDSIZE BUSINESSES

WiNG Express brings the power of enterprise award-winning WiNG 5 architecture to your midsize businesses. With WiNG Express, your business now has access to latest wireless technology and always-on capability trusted by large enterprise businesses. 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, the user can connect to "WiNGExpress" SSID and go to www.zebra.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 Zebra's 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 midsize businesses with valuable information available to enterprise customers in a meaningful way; allowing you to leverage wireless applications to drive business.

OPERATIONAL FLEXIBILITY

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.

MODULAR FLEXIBILITY

The AP 6511E features a snap-in port for any keystone style connector e.g. RJ11 or TV coax, so multiple services can be supported on a single integrated AP 6511E. Because guest rooms often require additional Ethernet ports for voice service, minibar monitoring or even guest wireline; a snap-on three port Ethernet module is available to easily expand

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

the number of available ports. The rapid installation is predictable and repeatable across multiple properties. Installation in minutes rather than hours will dramatically lower deployment costs

ARCHITECTURE FLEXIBILITY
AP 6511E includes a self optimizing algorithm of a virtual controller, which allows network services to scale securely without configuring additional access points. With virtual controller enabled, midsize businesses can manage an entire network of up to 25 access points from a single access point. Virtual controller automatically configures its peer access points on the local network and allows management of all access points on a network.

In addition, midsize businesses can scale their network with WiNG Express Manager, which can expand a network to include different WiNG Express access points across multiple sites supporting up to 1,024 access points.

For more information on how the AP 6511E can benefit your business, please visit us on the
web at **www.zebra.com/wingexpress**or access our global contact directory at **www.zebra.com/contact**

AP 6511E SPECIFICATIONS CHART

AVAILABLE INTERFACES

Wireless Interface	Single radio; 802.11a/b/g/n; 2.4Ghz or 5.2Ghz
LAN Ethernet port	IEEE 802.3 10/100Mb auto-sensing via 8-pin header
Uplink LAN Ethernet	IEEE 802.3 10/100Mb auto-sensing
Snap-in port	Supports any Keystone or QuickPort®* style connector

WIRELESS SPECIFICATIONS

Medium	DSSS, OFDM, MIMO
Standards	802.11a, 802.11b, 802.11g, 802.11n draft 2.0
Data Rates	802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6,9,12,18,24,36,48, 54Mbps 802.11a: 6,9,12,18,24,36,48, 54Mbps 802.11n: MCS 0-15 up to 300Mbps
Operating Frequencies	2.4GHz: 2400 -2483.5 MHz 5.2GHz: 5150 - 5250 Mhz; 5725 - 5850 Mhz Actual operating frequencies depend on national regulatory limits
Transmit Power settings	6dBm to 24dBm, in 1dB increments; Actual Tx power dependant on national regulatory limits
Receiver Sensitivity	2.4Ghz: 802.11b 1Mb = -97dBm;

WLAN AND NETWORKING

BSS	8 BSSIDs, 16 SSIDs
Virtual AP	Per WLAN beacon en/dis, client isolation, SSID authentication, encryption, bitrate, VLAN ID, WMM
VLANs	4000 VLANs; VIDs 1 - 4095

SECURITY

AP Mgmt	SSH, HTTPS, SNMP v3
WLAN	WEP static, WEP Dynamic (802.1x) WPA/TKIP Personal and Enterprise WPA2/TKIP/AES Personal and Enterprise, all EAP types

POWER

AP+1 LAN port ~5.5W typical, AP+4 LAN ports ~8W 802.3af compliant uplink LAN port

PHYSICAL

4.9" x 2.7" x 1.1" (124mm x 70mm x 29mm). 12oz (0.34Kg)

Two single color status LEDs; power, error, packets, operating frequency

ENVIRONMENTAL

0 - 40 degrees Celsius, 5% to 90% NC

802.11g 54Mb = -83dBm
802.11n MCS15 40Mhz = -72dBm
5.2GHz: 802.11a 6Mb = -99dBm,
54Mb = - 84Bm
802.11n MCS15 40Mhz = -74dBm

Antenna Configuration	Two internal omni-directional, 2x2 MIMO operation 2dBi peak in 2.4 Ghz; 4.5dBi peak gain in 5.2 Ghz

ORDERING INFORMATION

Part Number : AP-6511E-60010-US	Description : Single radio 802.11a/b/g/n Wallplate AP. Low profile. One Ethernet PD uplink port, one FE LAN port included. Optional Ethernet Module. US-only version supports FCC channel set.
Part Number : AP-6511E-60010-WR	Description: Single radio 802.11a/b/g/n Wallplate AP. Low profile. One Ethernet PD uplink port, one FE LAN port included. Optional Ethernet Module. WR version supports individual country channel sets as required.
Part Number : KT-6511-0000D-WR	Description : Three port Fast Ethernet Module for AP-6511E

* QuickPort is a registered trademark of Leviton Corporation

MOUNTING

Universal mounting bracket for worldwide telecom plates ; mounting
options include over a telecom wall plate or flush surface mount

COMPLIANCE

FCC 15.247, 15.407 / EN300 328, EN 301 893; UL EU EN 60950-1 2nd Ed.,
ANZ C-Tick, UL 2043; FCC Part 15 Subpart B, EN 55022: 2006 + A1: 2007,
ICES – 003 (Class B) EN 55024: 1998 + A1: 2001 + A2: 2003; EU RoHS
Directive 2002/95/EC; CE, IC, FCC

BASE AP	SNAP-IN ETHERNET PORT (INCLUDED)	MOUNT BRACKET (INCLUDED)	RJ-45 CABLE, 2" (50mm) (INCLUDED)	ETHE KT-(

POWERFUL	802.11 A/B/G/N, 2X2 MIMO, 26DBM
FAST	INSTALLS IN MINUTES
EASY	SELF OPTIMIZING VIRTUAL CONTROLLER

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