



data sheet

BENEFITS

Industry's best value 802.11n enterprise AP

The best value, entry-level, dual-band, 2x2:2 access point

Dual-band selectable

Dual-band selectable (2.4 GHz or 5 GHz) with a click of a button

High concurrent client capacity

Capable of supporting up to 256 concurrent Wi-Fi clients

Extended range with transmit beamforming (TxBF)

Increases the signal gain by up to 3 dB and increases client reliability and performance

Advanced feature set maximizes performance/capacity

Integrated airtime fairness and capacity-driven channel selection minimizes interference and maximizes capacity

Unobtrusive lightweight design for fast and easy installation

Ceiling, wall or desktop mountable with integrated mounting features for easy deployment anywhere

Best in class channel selection with ChannelFly™

Capacity-driven channel selection predicts and automatically selects best performing channels based on statistical, real-time capacity analysis of all RF channels

Flexible deployment options

Standalone with router functionality or controller-based deployment with any Ruckus ZoneDirector

L2TP tunneling for managed service operation

Support for L2TP allows for the termination of tunnels at a centralized L2TP network server for offering managed services

Smart meshing streamlines cost and complexity

Integrated Smart Mesh Networking technology automates deployment and eliminates running cables to every AP

Super simple configuration and management

Web-based wizard enables configuration of multiple APs across the entire WLAN in minutes

ZoneFlex™ 7321

SMART DUAL-BAND SELECTABLE 802.11n ACCESS POINT

Unmatched Price/Performance in a Dual-Band 802.11n Enterprise Access Point

The ZoneFlex 7321 is the industry's most affordable dual-stream entry-level 802.11n access point. The ZoneFlex 7321 is designed primarily for emerging markets and single AP deployments where the demand for mobile Internet services is rising but also where tighter economic constraints dictate a balance toward lower cost over sheer performance.

Weighing only 7 ounces, the Ruckus ZoneFlex 7321 is a two spatial stream (2x2:2), dual-band selectable access point (AP) that delivers the highest performance at the most competitive price point in the market.

Unlike other APs in its class, ZoneFlex 7321 supports transmit beamforming (TxBF) to increase in signal gain of up to 3 dB.

In an ultra sleek, unobtrusive and lightweight form factor (7 oz. / 198 g.), the ZoneFlex 7321 supports up to 256 concurrent clients and can be deployed as a standalone wireless router in single AP environments such as a small business, remote office, or hotspot locations, or part of a centrally managed Ruckus Smart WLAN.

The ZoneFlex 7321 comes with a myriad of advanced features that maximizes Wi-Fi performance and capacity including airtime fairness, and capacity-driven auto channel selection (ChannelFly™).

When used with the Ruckus ZoneDirector line of Smart WLAN controllers, the ZoneFlex 7321 supports the full complement of Smart O/S features such as Smart Mesh networking, guest access, client load balancing, per user thresholds and Dynamic Pre-Shared Keys.

The ZoneFlex 7321 is easily managed directly using the Web GUI, through any ZoneDirector controller, FlexMaster or via SNMP. With a limited lifetime warranty, the ZoneFlex 7321 supports 802.3af PoE or DC power along with integrated mounting for easy installation.

ZoneFlex 7321

SMART DUAL-BAND SELECTABLE 802.11n ACCESS POINT

Best price/performance of any entry-level AP

The ZoneFlex 7321 offers the industry's best price/performance of any 2x2:2 entry-level AP in its class, making it ideal for single AP deployments, SMB requirements and emerging countries where high-capacity/value are essential.

ChannelFly for optimal wireless performance

The ZoneFlex 7321 uniquely supports an innovative approach to automatic channel selection called ChannelFly. A capacity-driven approach to auto channel selection based on observed channel traffic, ChannelFly uses statistic modeling to learn and select the best performing RF channel. It relies on actual capacity on all channels across both 2.4 and 5 GHz frequencies to automatically move clients (using 802.11h) to a better channel with less interference and more capacity.

Simplified user security with Dynamic PSK

With the ZoneDirector, the ZoneFlex 7321 radically simplifies Wi-Fi security for users and IT administrators through the use of Dynamic Pre-Shared Keys. Once users successfully authenticate, a unique pre-shared encryption key is generated and automatically installed on the user's device — along with the requisite SSID. This eliminates the tedious configuration of wireless settings and eases the burden of installing the same PSK (that could be easily compromised) on every user device.

Differentiated services with multiple SSIDs

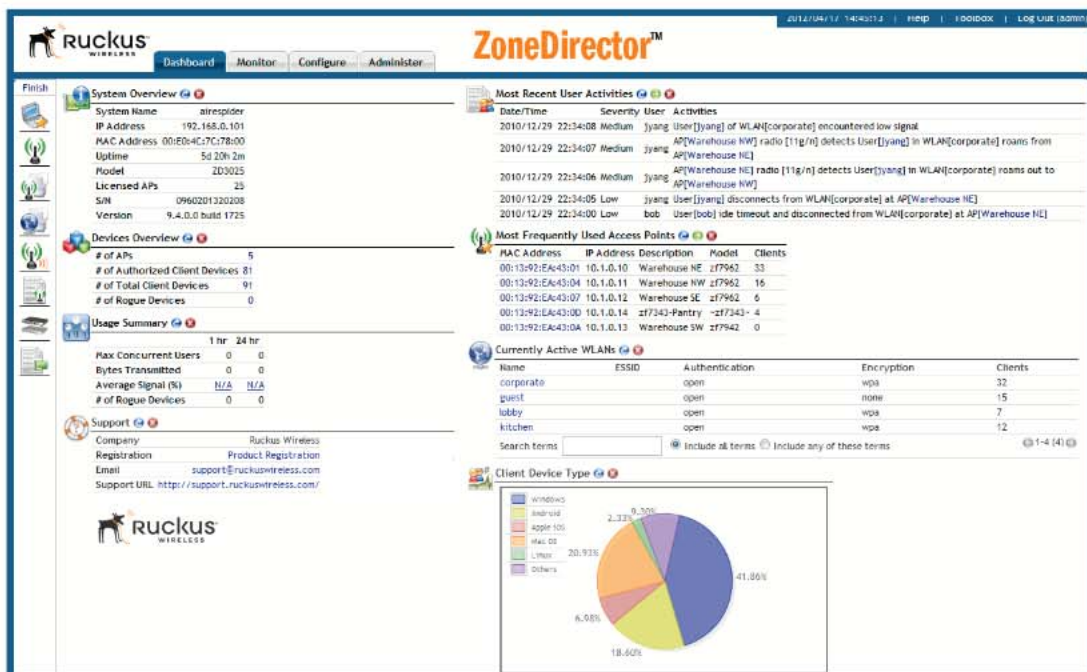
Up to 8 discrete SSIDs are supported within the Ruckus ZoneFlex 7321, each with unique broadcast, QoS, security and management parameters. Up to 2,048 discrete WLANs can be created and mapped to the same or different AP or VLAN. This lets hot-zone operators easily offer tiered services to different users or traffic types. Enterprises can use this feature to differentiate guest, contractor and employee access policies or to segment different traffic types.

Advanced WLAN applications with Smart/OS

With the Ruckus ZoneDirector Smart WLAN controller, the ZoneFlex 7321 supports a wide range of value-added applications such as guest networking, Smart Wireless Meshing, Dynamic PSK, hotspot authentication, wireless intrusion prevention and many more. WLANs can be grouped and shared by specific APs. In a centrally managed configuration, the ZoneFlex 7321 works with a variety of authentication servers such as AD, LDAP, and RADIUS.

High performance hot spots

The 7321 uniquely supports the WISPr protocol to provide universal authentication method or UAM (browser-based login at a captive portal), walled garden, time-based user session control, and additional RADIUS attributes for hotspot service settings.



As part of a centrally controlled wireless LAN, the ZoneFlex 7321 is managed through an highly intuitive and simply to use graphical, point-and-click Web interface. The dashboard (below) gives administrators a single and comprehensive view of the state of the wireless LAN.

