



data sheet

BENEFITS

Best-in-class mid-range performance at lowest cost

Unprecedented price/performance with extended range at the industry's most affordable price point

Extended range requires fewer APs

Adaptive antenna technology delivers a 2x to 4x increase in Wi-Fi signal coverage minimizing the number of APs required to service any area

Wire-like wireless reliability

Patented smart antenna array, adaptive antenna technology and Quality of Service technologies combine to mitigate interference and minimize packet loss

Sleek, low profile enclosure for ease-of-deployment

Aesthetically-pleasing design fits almost anywhere

Channel selection optimizes throughput

ChannelFly dynamic management, based on throughput measurements, not just interference, chooses the best channel to give users the highest throughput.

Super simple configuration and management

The industry's simplest configuration and management through a Web-based wizard and automated deployment capabilities

Flexible deployment options

Standalone or controller-based deployment

Smart wireless meshing

When used with a ZoneDirector Smart WLAN controller, the ZoneFlex 7352 easily extends Wi-Fi services to areas where Ethernet cabling isn't available, possible or cost effective

Adaptive Polarization Diversity (PD-MRC)

Dual-polarized antennas that are dynamically selected provide better reception for hard to hear clients and more consistent performance as clients constantly change orientation

ZoneFlex™ 7352

802.11N SMART WI-FI ACCESS POINTS

High Performance, 802.11n Mid-Range Smart Wi-Fi Access Points with Adaptive Antenna Technology

The Ruckus ZoneFlex 7352 delivers high-performance and reliable 802.11n wireless networking at the industry's most affordable price point.

Unlike any other 802.11n wireless solution in its class, the ZoneFlex 7352 combines patented adaptive antenna technology and automatic interference mitigation to deliver consistent, predictable performance at extended ranges with up to an additional 4dB of BeamFlex gain on top of the physical antenna gain and up to 10dB of interference mitigation.

Additional performance enhancements to signal gain can be attributed to the chip-based transmit beamforming capability adding 3 dB when associated to a compatible client. The 7352 is also ideal for client performance with mobile devices that constantly change orientation with dual-polarized antennas that adapt to hand-held device movement.

Each ZoneFlex 7352 integrates Ruckus-patented BeamFlex, a software-controlled, high gain antenna array that continually forms and directs each 802.11n packet over the best performing signal path. The ZoneFlex 7352 automatically selects channels for highest throughput potential using Ruckus ChannelFly dynamic channel management, adapting to environmental changes. Once deployed, enterprises never have to worry about constant site surveys as the environment changes.

A sleek and low-profile design, the ZoneFlex 7352 was purpose-built for cost-minded enterprises requiring reliable high speed client connectivity. It is ideal for a variety of enterprise and hotspot environments including hotels, schools, retail outlets, branch offices and public venues.

The ZoneFlex 7352 can be deployed as a standalone access point or as part of the centrally-controlled Smart Wireless LAN with the Ruckus ZoneDirector. The ZoneFlex 7352 can also be easily deployed using Smart Mesh Networking to extend Wi-Fi services in locations where Ethernet cabling is not available or cost prohibitive.

ZoneFlex™ 7352

802.11N SMART WI-FI ACCESS POINTS

Patented BeamFlex™ Technology Extends Signal Range, Improves Stability of Client Connections

All ZoneFlex 7352 Smart Wi-Fi access points integrate a software-controlled smart antenna array that delivers up to an additional 4dB of BeamFlex gain and 10dB of interference mitigation. This allows a 2 to 4x improvement in signal range and a reduction in packet loss from the ability to automatically mitigate interference and avoid obstacles.

Advanced WLAN Applications with Smart/OS

When used with the Ruckus ZoneDirector Smart WLAN controller, each ZoneFlex 7352 supports a wide range of value-added applications such as guest networking, Smart Wireless Meshing, Dynamic PSK, hotspot authentication, wireless intrusion detection and many more. With Smart/OS, WLANs can be created and mapped to the same or different APs or VLANs. In a centrally managed configuration, the ZoneFlex 7352 works with a wide range of authentication servers including Microsoft's Active Directory, LDAP, and RADIUS.



Flexible Deployment Options

ZoneFlex 7352 APs can be deployed as a standalone AP or as part of a centrally managed wireless LAN using ZoneDirector Smart WLAN controllers. ZoneFlex 7352 can be deployed across any L2/L3 network and can bridge traffic onto the local network, tunnel to a central location using L2TP or PPPoE, or route between the WAN and NAT'ed private subnets. It can be wired to the network or connect wirelessly by meshing to another AP when Ethernet cabling is unavailable. When used with the ZoneDirector, each ZoneFlex 7352 is automatically configured through the network making deployment quick and easy.

Complete Local and Remote Management

Each ZoneFlex 7352 can be managed as a standalone AP through a Web-based GUI, using SNMP or through the Ruckus FlexMaster Wi-Fi remote management system. Local management can also be performed using the ZoneDirector Smart WLAN controller. FlexMaster is a LINUX-based software platform that uses industry-standard protocols to perform bulk configuration, fault detection, monitoring and a wide range of troubleshooting capabilities over a wire area connection. The ZoneDirector enables local management and control of APs, adding value-added services such as transmit power control, guest networking and meshing.



One 10/100 Mbps and one 802.3af PoE 10/100/1000 Mbps Ethernet port support

Many potential antenna combinations can be chosen for high availability of Wi-Fi

High-gain directional antenna elements not only delivers signal gain but also interference mitigation for range extension, reliability and high data rates

