



April 2015

# ZoneFlex R710: The Future is Now

## Key Benefits

### INCREASED DEVICE DENSITY

- Adaptive antenna for interference mitigation with Beamflex+
- 2x the density of small single stream devices with multi-user MIMO
- Higher signal strength to legacy .11ac clients with transmit beamforming

### HIGHEST PERFORMANCE

- Latest Wi-Fi technology available with 802.11ac wave 2 technology
- More data for more devices with 4x4:4 MU-MIMO
- The highest theoretical throughput with 1733 Mbps (5GHz) and 800 Mbps (2.4 GHz)
- Predictive capacity management with ChannelFly
- Polarization diversity with 5dB receive signal gain with Beamflex+

### INVESTMENT PROTECTION

- USB port for IoT sensors/devices to monetize with proximity-aware applications
- Location and analytics platform with up to 7 years of network and client data
- 802.3af power mode for full 802.11ac performance with legacy switches

Learn about the ZoneFlex R710

at: <http://ruck.it/r710>

**The Ruckus ZoneFlex™ R710 is the industry's first Wi-Fi access point (AP) based on Wave 2 features of the 802.11ac standard.**

Businesses worldwide are going through a tremendous level of IT transformation, at the heart of which is wireless connectivity. With 70% of new connected devices today coming with Wi-Fi connectivity, mobile applications bring an onslaught of new data to the Wi-Fi network. This creates new challenges for IT managers: overextended Wi-Fi network capacity, degraded user experience, and the need to maintain high availability and performance.

Such challenges cannot be solved with more APs or controllers. IT managers run the risk of creating more interference, and increasing the burden of the IT department to deploy and maintain the network. The solution is not to have more, but to instead have better Wi-Fi technology.

## How does the R710 help solve these challenges?

The new Ruckus ZoneFlex R710 is the first Wi-Fi access point to support major technical advances in the 802.11ac standard.

Multi-user multiple input/multiple output (MU-MIMO) enables over two times the density of mobile devices versus Wave 1, and aggregates data rates exceeding two gigabits per second. Increased density frees up new capacity for overextended Wi-Fi networks.

To enable optimal user experience, the ZoneFlex R710 delivers up to 5dB of signal gain and aggregate data rates of over two gigabits per second (Gbps), 1,733 Mbps (@ 5 GHz) and 800 Mbps (@ 2.4 GHz).

The built-in USB port accommodates Bluetooth Low Energy (BLE) beacons and other Internet of Things (IoT) devices. This, combined with Ruckus SPoT™ location-based services (LBS) and analytics, enable enterprises and service providers to monetize their Wi-Fi investment through rich analytics and location-based user engagement.