What's New in ZF Version 9.10?

This application note describes the new features available in Version 9.10 of the Ruckus Wireless ZoneFlex family. This document assumes familiarity with the Ruckus ZoneFlex product line and the features of earlier releases till version 9.9.

Highlights of this Release

ZoneFlex software release 9.10 provides Enterprises, HotZone Operators and Managed Service Providers a higher performing, more reliable, and easier to deploy WiFi network to provide wireless access to diverse groups of users across multiple locations. The few features and enhancements in this release include:

- Support for 802.11ac Dual-band Wired/Wireless Wall Switch Access point H500
- Support for 11ac Mesh
- Support for 11ac Packet Capture
- Support for 11ac Location Based Services (LBS)
- Guest Pass Self-Service
- Recognition of Chrome OS and device policy for Chrome OS

Supported Platforms
- FlexMaster v.9.10
- ZoneDirector Remote Control 9.10 (Mobile App for iPad and Android phones)
- ZoneDirector 1100 Smart/OS v.9.10
- ZoneDirector 1200 Smart/OS v.9.10
- ZoneDirector 3000 Smart/OS v.9.10
- ZoneDirector 5000 Smart/OS v.9.10
- ZoneFlex R300 802.11n Dual-band Access Point v.9.10
- ZoneFlex R500 802.11ac Dual-band Access Point v.9.10
- ZoneFlex R600 802.11ac Dual-band Access Point v.9.10
- ZoneFlex R700 802.11ac Dual-band Access Point v.9.10
- ZoneFlex T300 802.11ac Dual-band Access Point v.9.10
- ZoneFlex T300E 802.11ac Dual-band Access Point v.9.10
- ZoneFlex T301N 802.11ac Dual-band Access Point v.9.10
- ZoneFlex T301S 802.11ac Dual-band Access Point v.9.10
- ZoneFlex H500 802.11ac Dual-band Wired/Wireless Wall Switch v.9.10
- ZoneFlex 7055 802.11n Dual-band Wired/Wireless Wall Switch v.9.10
- ZoneFlex 7321 802.11n Access Point v.9.10
- ZoneFlex 7321-u 802.11n Access Point v.9.10
- ZoneFlex 7341 802.11n Access Point v.9.10
- ZoneFlex 7343 802.11n Access Point v.9.10
- ZoneFlex 7351 802.11n Dual-band Access Point v.9.10
- ZoneFlex 7352 802.11n Dual-band Access Point v.9.10
- ZoneFlex 7363 802.11n Dual-band Access Point v.9.10
- ZoneFlex 7372 802.11n Dual-band Access Point v.9.10
- ZoneFlex 7372-E 802.11n Dual-band Access Point v.9.10
- ZoneFlex 7982 802.11n Dual-band Access Point v.9.10
- ZoneFlex 7761-CM 802.11n Dual-band Outdoor Access Point with Cable Modem v.9.10
- ZoneFlex 7762 802.11n Dual-band Outdoor Access Point v.9.10

- ZoneFlex 7762-S 802.11n Dual-band Outdoor Access Point with Sector Antenna v.9.10
- ZoneFlex 7762-T 802.11n Dual-band Outdoor Access Point with High Gain 2.4 GHz Omni Antenna v.9.10
- ZoneFlex 7762-AC Dual-band 802.11n Outdoor Access Point v.9.10
- ZoneFlex 7762-S-AC Dual-band 802.11n Outdoor Access Point with Sector Antenna v.9.10
- ZoneFlex 7781-CM 802.11n Dual-band Outdoor Access Point with Cable Modem v.9.10
- ZoneFlex 7782 Dual Band 802.11n Outdoor Access Point with Omni Antenna v.9.10
- ZoneFlex 7782-S Dual Band 802.11n Outdoor Access Point with Sector Antenna v.9.10
- ZoneFlex 7782-E Dual Band 802.11n Outdoor Access Point with External Antenna v.9.10
- ZoneFlex 7782-N Dual Band 802.11n Outdoor Access Point with 30 deg. Narrow Sector Antenna v.9.10
- SmartCell 8800-S Dual Band 802.11n Outdoor Access Point with Sector Antenna v.9.10
- SmartCell 8800-S-AC Dual Band 802.11n Outdoor Access Point with Sector Antenna v.9.10
- ZoneFlex 7441 802.11n Access Point for In-Building Distributed Antenna Systems v.9.10

NOTE: *Zone Director 1100 does not support ZoneFlex H500 Access Point*
ZoneFlex 9.9 does not support ZoneFlex 7351 and 7962 Access Points
ZoneFlex 9.9 does not support ZoneFlex 7321-u – OurFi Access Point

GA ZD build 9.10.0.0.218

1. Support for Wall Plate AP H500

The ZoneFlex H500 is the industry's first wired and wireless wall switch that uses Ruckus patented BeamFlex+ smart antenna technology to deliver high-speed 802.11ac Wi-Fi in an ultra-sleek, low-profile design that can be quickly and discretely installed in a standard wall junction box. Ideal for offering converged services in hotel guest rooms, student residences, and MDUs, the ZoneFlex H500 provides an easy way to offer multiple connections into a single room without multiple cables.

The mobile-ready ZoneFlex H500 features dual-polarized BeamFlex+ antennas which adapt in real time to client device locations, as well as physical orientations, to deliver consistent best-in-class WiFi performance.

The ZoneFlex H500 supports Bluetooth Low Energy (BLE) Smart Beacon technology, allowing the deployment of innovative proximity-based services to enhance the guest experience.

Equipped with four Ethernet ports for in-room access, the ZoneFlex H500 can be used to connect a range of wired network devices such as IPTV set top boxes, IP telephones, or networked minibars. An IEEE 802.3af-compliant Power-over-Ethernet (PoE) port on the H500 allows devices such as IP telephones to be powered directly from the wall switch. The H500 itself may be powered via PoE or DC power adapter.

The ZoneFlex H500 can be deployed as a standalone device or centrally managed by Ruckus ZoneDirector or RuckOS controllers, or FlexMaster management platform.

2. Support for 11ac Mesh

The ZoneFlex version 9.10 introduces the support for 11ac Smart Mesh. The Smart Mesh networking eliminates the costly, cumbersome task of pulling Ethernet cable to every access point. It uses RF signal routing to determine best paths to client and between mesh nodes.

Customer Benefits
- *Eliminates Ethernet cables to every AP*
- *Deploys in half the time and half the cost*
- *If no Ethernet cabling is available, the outdoor AP meshes seamlessly with the indoor access points providing a greater deployment flexibility*

3. Support for 11ac Location Based Services (LBS)

The ZoneFlex version 9.10 introduces Location Based Services (LBS) on 11ac access points.

Customer Benefits
- *Customers can now leverage both 11ac and 11n APs to get much better accuracy in their WiFi network.*

4. Support for 11ac Packet Capture

After deploying 11ac access points with advanced features like Smart Mesh and Location Based Services customers must be provided with appropriate tool in order to effectively manage and

troubleshoot their Ruckus powered 11ac network. This version exactly does that by providing the packet capture for 11acc access points.

5. Guest Pass Self-Service

The Guest Pass Self-Service feature allows guests to connect to a guest SSID using their own device and submit basic information (name, email address and mobile phone number) to receive a guest pass code. The guest then enters this code to gain access to the WiFi network to access internet.

> *Customer Benefits*
> - *Significantly improves guest user experience*
> - *Improves security for guest network as every guest gets an unique guest pass*
> - No need to provide pre-generated passcode/key to guests' to access the network

6. Recognition of Chrome OS

Just like number of client Operation Systems (OS) are being recognized by Ruckus ZD now Chrome OS can be recognized and reported by ZD as well.

> *Customer Benefits*
> - *Higher reporting accuracy*
> - *Device policy can be applied for Chrome OS*