

What's New in ZF Version 9.12?

This application note describes the new features available in Version 9.12 of the Ruckus Wireless ZoneFlex family. This document assumes familiarity with the Ruckus ZoneFlex product line and the features of earlier releases till ZF version 9.10.

Highlight of this Release

ZoneFlex software release 9.12 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.

This release introduces

- Support for 802.11ac Multi-User MIMO (MU-MIMO) Wave 2 AP R710
- LLDP enabled by default for all APs

Support for 802 11ac Multi-User MIMO (MU-MIMO) Wave 2 AP R710

The ZoneFlex R710 is industry's highest performance 802.11ac Wave 2 access point. It combines Ruckus patented technologies and best-in-class design with the next generation of 802.11ac features to deliver outstanding Wi-Fi performance and reliability.

With throughput capacities of 800 Mbps (2.4GHz) and 1733 Mbps (5GHz), the ZoneFlex R710 supports the highest available throughput for Wi-Fi clients. 802.11ac Multi-User MIMO (MU-MIMO) support allows the R710 to simultaneously transmit to multiple client devices, drastically improving airtime efficiency, overall throughput, and availability.

ZoneFlex R710 is purpose-built for high-capacity, high performance and interference-laden environments such as schools, universities, public venues, hotels, and conference centers

R710's Major Features

- Link Aggregation on Ethernet Ports (LACP)
- 802.3af PoE operating mode
- MU-MIMO
- Tx Beamforming
- Background Scanning is supported, and the following features which rely on Background Scanning are also enabled:
 - WIDS/WIPS (Rogue detection on channels other than service channel on 5G radio)
 - 802.11k Radio Resource Management
 - Channel Selection with Background Scanning
 - AP Neighbor List

Supported Platforms

- FlexMaster v.9.12
- ZoneDirector Remote Control 9.12 (Mobile App for iPad and Android phones)
- ZoneDirector 1200 Smart/OS v.9.12
- ZoneDirector 3000 Smart/OS v.9.12
- ZoneDirector 5000 Smart/OS v.9.12
- ZoneFlex R710 802.11ac Multi-User MIMO (MU-MIMO) v.9.12
- ZoneFlex R300 802.11n Dual-band Access Point v.9.12
- ZoneFlex R500 802.11ac Dual-band Access Point v.9.12
- ZoneFlex R600 802.11ac Dual-band Access Point v.9.12
- ZoneFlex R700 802.11ac Dual-band Access Point v.9.12
- ZoneFlex T300 802.11ac Dual-band Access Point v.9.12
- ZoneFlex T300E 802.11ac Dual-band Access Point v.9.12
- ZoneFlex T301N 802.11ac Dual-band Access Point v.9.12
- ZoneFlex T301S 802.11ac Dual-band Access Point v.9.12
- ZoneFlex H500 802.11ac Dual-band Wired/Wireless Wall Switch v.9.12
- ZoneFlex 7055 802.11n Dual-band Wired/Wireless Wall Switch v.9.12
- ZoneFlex 7321 802.11n Access Point v.9.12
- ZoneFlex 7321-u 802.11n Access Point v.9.12
- ZoneFlex 7341 802.11n Access Point v.9.12
- ZoneFlex 7343 802.11n Access Point v.9.12
- ZoneFlex 7352 802.11n Dual-band Access Point v.9.12
- ZoneFlex 7363 802.11n Dual-band Access Point v.9.12
- ZoneFlex 7372 802.11n Dual-band Access Point v.9.12
- ZoneFlex 7372-E 802.11n Dual-band Access Point v.9.12
- ZoneFlex 7982 802.11n Dual-band Access Point v.9.12
- ZoneFlex 7761-CM 802.11n Dual-band Outdoor Access Point with Cable Modem v.9.12
- ZoneFlex 7762 802.11n Dual-band Outdoor Access Point v.9.12
- ZoneFlex 7762-S 802.11n Dual-band Outdoor Access Point with Sector Antenna v.9.12
- ZoneFlex 7762-T 802.11n Dual-band Outdoor Access Point with High Gain 2.4 GHz Omni Antenna v.9.12
- ZoneFlex 7762-AC Dual-band 802.11n Outdoor Access Point v.9.12
- ZoneFlex 7762-S-AC Dual-band 802.11n Outdoor Access Point with Sector Antenna v.9.12
- ZoneFlex 7781-CM 802.11n Dual-band Outdoor Access Point with Cable Modem v.9.12
- ZoneFlex 7782 Dual Band 802.11n Outdoor Access Point with Omni Antenna v.9.12
- ZoneFlex 7782-S Dual Band 802.11n Outdoor Access Point with Sector Antenna v.9.12
- ZoneFlex 7782-E Dual Band 802.11n Outdoor Access Point with External Antenna v.9.12
- ZoneFlex 7782-N Dual Band 802.11n Outdoor Access Point with 30 deg. Narrow Sector Antenna v.9.12
- SmartCell 8800-S Dual Band 802.11n Outdoor Access Point with Sector Antenna v.9.12
- SmartCell 8800-S-AC Dual Band 802.11n Outdoor Access Point with Sector Antenna v.9.12
- ZoneFlex 7441 802.11n Access Point for In-Building Distributed Antenna Systems v.9.12

NOTE: *Zone Director 1100 is not supported on ZF Version 9.12 and beyond*