What's New in Unleashed Version 200.13?

This application note describes the new features available in RUCKUS Unleashed version 200.13. This document assumes familiarity with the RUCKUS Unleashed product line and the features of earlier release version 200.12 MR1.

Highlights of this Release

RUCKUS Unleashed is an easy installed easy managed Wireless LAN (WLAN) solution that enables Small-MediumBusiness (SMBs) to deliver an optimal wireless experience to their users at an affordable price.

Customers can expand their business to multiple locations seamlessly with Unleashed Multi-Site Manager, UMM. If the business scales even further, RUCKUS Unleashed offers migration options to RUCKUS SmartZone or RUCKUS Cloud Wi-Fi.

To scale up the support for SMB, the Unleashed Version 200.13 enables the ZoneDirector ZD1200 capabilities into the top tiered R750/R850. A new **dedicated master mode** is designed for this transformation. When R750/R850 sets to the dedicated master mode the controller expands its capabilities cross the VLAN to the whole corporate networks.

Key features and enhancements in this release are:

Feature	Brief Description and Benefits
Dedicated Master Mode	• Smart Redundancy: Allows one active and one standby redundant dedicated master controllers • Tunnel WLAN: Tunneling the communication between APs for better security. LWAPP tunnel fast-path is implemented for efficiency • Capacity: Increase the client capacity from 2,048 to 4,000 • Easy migration for ZD-AP to Unleashed AP • VLAN Supports: All APs discovered by the dedicated master controller can set into the assigned tagged management VLAN automatically • L3 discovery: Dedicated master controller and APs can be located in different VLAN for flexible network design • UMM Support: UMM2.7 support dedicated master mode - This feature is available on R750 and R850 Only. When dedicated master mode is enabled, the wireless radio is shutdown to dedicate the resources for controller tasks.

Performance Update	- Per SSID maximum bandwidth limit raised from 200Mbps to 500Mbps - Introduce the Elliptic Curve Cryptography (ECC) encryption to improve the performance from traditional RSA encryption - Support redundant RADIUS server - DPSK improvements with customizable keys and batch user import
Regional Wireless Supports	- Adding newly available channel 144 in UK version - Adding UNII 2 EXT and UNII 3 in Israel version
Optimization	- Improve the UI design for read-only user - New Ruckus Logo

Supported AP models in Unleashed 200.13

Unleashed version 200.13.6.1.319 supports the following RUCKUS Wi-Fi access point models:

Indoor Wi-Fi Access Points	
Unleashed R850	Indoor Wi-Fi 6 Twelve Spatial Streams Access Point
Unleashed R750	Indoor Wi-Fi 6 Access Point with Multi-gigabit Backhaul for Ultra-Dense Device Environments
Unleashed R720	Indoor Wi-Fi 5 Access Point with Multi-gigabit Backhaul for Dense Device Environments
Unleashed R710	Indoor Wi-Fi 5 Access Point for Dense Device Environments
Unleashed R650	Indoor Wi-Fi 6 Six Spatial Streams Access Point
Unleashed R610	Indoor Wi-Fi 5 Access Point for Dense Device Environments
Unleashed R550	Indoor Wi-Fi 6 Four Spatial Streams Access Point
Unleashed R510	Indoor Wi-Fi 5 Access Point for Dense Device Environments
Unleashed H550	Wall-mounted Wi-Fi 6 Access Point for Dense Device Environments
Unleashed H510	Wall-mounted Wi-Fi 5 Access Point for Dense Device Environments
Unleashed M510	Mobile Indoor Wi-Fi 5 Access Point with LTE Backhaul
Unleashed H320	Wall-Mounted Wi-Fi 5 Access Point and Switch
Unleashed C110	Wall-Mounted Wi-Fi 5 Access Point, Switch and Cable Modem
Unleashed R350	Indoor 802.11ax Wi-Fi Access Point
Unleashed R320	Indoor 802.11ac Wi-Fi Access Point
Unleashed H350	Wall-mounted Wi-Fi 6 Wi-Fi Access Point

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Outdoor Wi-Fi Access Points	
Unleashed T750 Series (T750, T750se)	Outdoor Wi-Fi 6 Eight Spatial Streams Access Point
Unleashed T710 Series (T710, T710s)	Outdoor Wi-Fi 5 Access Point family with Fiber Backhaul
Unleashed T610 Series (T610, T610s)	Outdoor Wi-Fi 5 Access Point family
Unleashed T350 Series (T350c, T350d T350se)	Outdoor 2x2:2 2.4/5GHz Wi-Fi 6 access point with omni and directed antennae
Unleashed T310 Series (T310c, T310d, T310n, T310s)	Outdoor 2x2:2 2.4/5GHz Wi-Fi 5 access point with omni and directed antennae
Unleashed E510	Embedded 802.11ac Outdoor Wave 2 Wi-Fi AP with External BeamFlex+ Antennas