



What's New in Version 200.16?

What's New in Unleashed Version 200.16?

This application note describes the new features available in RUCKUS Unleashed version 200.16. This document assumes familiarity with the RUCKUS Unleashed product line and the features of earlier release version 200.15.

RUCKUS Unleashed is a premium local network management solution for demanding residential and small business networks. Optimized for audio and video streams, the Unleashed provides the most robust infrastructure for your audio-visual setups, conferencing, and multimedia applications.

The Unleashed master is automatic elected and connecting to 2,048 clients. For large number of clients, you can set the R750, R850, or R770 AP into the **Unleashed dedicated master mode** expands the clients support up to 4,000. When the business scales even further, RUCKUS Unleashed offers migration options to RUCKUS SmartZone or RUCKUS One cloud Wi-Fi.

Introducing Wi-Fi 7 AP

R770 is the very first Wi-Fi 7 tri-band AP supported by RUCKUS Unleashed. R770 is capable for simultaneous device connections with built-in 8 spatial streams (2x2:2 in 2.4GHz, 4x4:4 in 5GHz, 2x2:2 in 6GHz) with 12.22 Gbps combined data rate.

Unleashed optimization for Pro AV end points

Starting from 200.15, RUCKUS Unleashed is optimizing its features and setup flows to align with demanding audio and video streaming in a small network. 200.16 adding up a new AV profile feature. Pro AV installer can easily discover and setup the compatible ICX switches. Onboarding and management are simple and easy. The remote management capability and overall network visibility came from Unleashed enables more possible ways of support for end customers.

The pro AV features are tested with the most popular end points to ensure the system compatibility including AES67, Dante, Crestron, NDI, and SONOS.



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Unleashed remote management

Manage your Unleashed network from remote is easy. The Unleashed provides three tiers of the remote management services for end user, power user and service.

Remote Management Service	Descriptions
Unleashed mobile app	<ul style="list-style-type: none">• Free app• Designed for end user• Available on iPhone or Android phone• Easy discovery and onboarding your Unleashed network• Managing up to 10 networks• Download your RUCKUS Unleashed mobile app from Apple app store or Android play store
Unleashed Portal	<ul style="list-style-type: none">• Free service• Designed for power user• Access the full of web GUI and CLI features remotely through your PC• Managing up to 10 networks• Visit https://unleashed.ruckusnetworks.com to apply your free account
Unleashed remote management service	<ul style="list-style-type: none">• Subscription based service• Designed for service providers• Zero touch onboarding• Apply templates for easy network onboarding• Scheduled backup and upgrade• Remote troubleshooting and management• Managing thousands for networks• Ask your RUCKUS sales representative for subscription details



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New Feature Highlights

Key features and enhancements in this release are:

Feature	Brief Description and Benefits
R770 support	<ul style="list-style-type: none">• Supports 6GHz radio• 320MHz channelization support• BSS prioritization• MSCS (Mirrored Stream Classification Service) support
Network optimization for pro AV installations	<ul style="list-style-type: none">• Optimized settings for SONOS speakers• AV Profile for ICX AV switch configuration and management which compatible with AES67, Dante, Crestron, and NDI devices.
New or enhanced features	<ul style="list-style-type: none">• Update the SpeedFlex network speed test with Iperf3• Client roaming with AVC info: to maintain the same meta data with the same recognized application flow when the client is roaming• New load balance and band balance support
User Experience and User Interface	<ul style="list-style-type: none">• Miscellaneous UI updates



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Supported AP models in Unleashed 200.16

Unleashed version 200.16.7.0 supports the following RUCKUS Wi-Fi 6 and Wi-Fi 7 access point models. Wi-Fi 5 access points are not supported from 200.16.

Indoor Wi-Fi Access Points	
Unleashed R770	Indoor Wi-Fi 7 (802.11be) Access Point 12.22 Gbps Data Rate
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 R650	Indoor Wi-Fi 6 Six Spatial Streams Access Point
Unleashed R550	Indoor Wi-Fi 6 Four Spatial Streams Access Point
Unleashed R350	Indoor 802.11ax Wi-Fi Access Point
Unleashed H550	Wall-mounted Wi-Fi 6 Access Point for Dense Device Environments
Unleashed H350	Wall-mounted Wi-Fi 6 Wi-Fi Access Point

Outdoor Wi-Fi Access Points	
Unleashed T750 Series (T750, T750se)	Outdoor Wi-Fi 6 Eight Spatial Streams Access Point
Unleashed T350 Series (T350c, T350d, T350se)	Outdoor 2x2:2 2.4/5GHz Wi-Fi 6 access point with omni and directed antennae



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Supported ICX switches in Unleashed 200.16

Unleashed version 200.16.7.0 supports ICX7XXX and IXC8200 switch management. Additionally, a subset of ICX8200 is selected and tested for pro AV device compatibility. The selected AV switches are supported with Unleashed AV profile from 200.16.

AV profile supported switches	
ICX8200-48P/PF/PF2	<ul style="list-style-type: none">• 48× 10/100/1000 Mbps RJ-45 PoE+ 802.3at ports• 4× 1/10/25 GbE uplink/stacking SFP28 ports• 370 ~ 1,440 W PoE budget
ICX8200-24PV	<ul style="list-style-type: none">• Rear facing ports with blue LED in front• 24× 10/100/1000 Mbps RJ-45 PoE+ 802.3at ports• 4× 1/10/25 GbE uplink/stacking SFP28 ports• 370 W PoE budget (150 W with fan-off mode)
ICX8200-C08PFV	<ul style="list-style-type: none">• Rear facing ports with blue LED in front• Black chassis fan-less design for AV media center• 8× 10/100/1000 Mbps RJ-45 PoE+ 802.3at ports• 2× 1/10GbE uplink/stacking SFP+ ports• 124 W PoE budget

Multi-Gig/ 10G POE++ switches	
ICX8200-48ZPF2	<ul style="list-style-type: none">• 32× 10/100/1000 Mbps RJ-45 PoE+ 802.3at ports• 16× 2.5 bps RJ-45 PoE++ 90 W ports• 4× 1/10/25 GbE uplink/stacking SFP28 ports• 1,480 W PoE budget
ICX8200-24ZP	<ul style="list-style-type: none">• 24× 2.5 bps RJ-45 PoE++ 90 W ports• 4× 1/10/25 GbE uplink/stacking SFP28 ports• 740 W PoE budget (150 W with fan-off mode)
ICX8200-C08ZP	<ul style="list-style-type: none">• 4× 2.5 Gbps RJ-45 PoE++ 90 W ports• 4× 10 Gbps RJ-45 PoE++ 90 W ports• 4× 1/10/25 GbE uplink/stacking SFP28 ports• 240 W PoE budget



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