



What's New in Version 200.17?

# What's New in Unleashed Version 200.17?

This application note describes the new features available in RUCKUS Unleashed version 200.17. This document assumes familiarity with the RUCKUS Unleashed product line and the features of earlier release version 200.16.

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

The Unleashed master is automatic elected and controls up 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 with the same AP hardware.

## New Premium Wi-Fi 7 AP

The R670 AP is a new 802.11be Wi-Fi 7 indoor AP supported by Unleashed that delivers 6 spatial streams. You can set the AP wireless works in default tri-band mode with 2x2:2 streams in 2.4 GHz, 5 GHz and 6 GHz. Or, setting to dual-band mode with 2x2:2 in 2.4 GHz and 4x4:4 in 5 GHz. The combined data rate can be up to 9.34 Gbps.

Additional dual-band and tri-band selection, radio type UI improvement, and miscellaneous enhancements are available for better Wi-Fi 7 settings.

Unleashed 200.17 supports R670, together with R770, for flexible selection to fit your need.

## Unleashed optimization for Pro AV

Starting from 200.15, RUCKUS Unleashed optimized the ProAV end point compatibilities including SONOS sound speakers. For a better administrative control, the compatibility option is brought up from CLI to the UI interface in 200.17. Administrator can disable the SONOS compatibility when the network policy requires in some enterprise installations.



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



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### New Feature Highlights

Key features and enhancements in this release are:

Feature	Brief Description and Benefits
R670 support	<ul style="list-style-type: none"><li>• Supports 6GHz radio</li><li>• 320MHz channelization support</li><li>• BSS prioritization</li><li>• MSCS (Mirrored Stream Classification Service) support</li><li>• 2-5-6 tri-band radio and 2-5 dual-band radio mode selection</li></ul>
Network optimization for pro AV installations	<ul style="list-style-type: none"><li>• Improves UI with selectable SONOS optimization</li></ul>
User Experience and User Interface	<ul style="list-style-type: none"><li>• Radio type display update</li><li>• Miscellaneous UI updates</li></ul>



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### Supported AP models in Unleashed 200.17

Unleashed version 200.17.7.0 supports the following RUCKUS Wi-Fi 6 and Wi-Fi 7 access point models.

Indoor Wi-Fi Access Points	
Unleashed R770	Indoor Wi-Fi 7 (802.11be) Access Point with 12.22 Gbps Data Rate
Unleashed R670	Indoor Wi-Fi 7 (802.11be) (selectable dual band or tri-band) Access Point with 9.34 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 200.17

Unleashed version 200.17.7.0 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 200.17.

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

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



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