

Ruckus Wi-Fi 7: Superior Speed, Capacity, and Security

Introducing the Next Generation of Wi-Fi Technology

Step into the future with Ruckus Wi-Fi 7 (802.11be). Following in the footsteps of Wi-Fi 6 (802.11ax), Wi-Fi 7 promises a significant leap in speed, efficiency, and overall performance.

Let's see the difference between other Wi-Fi and Wi-Fi 7:

| | WiFi 5 | WiFi 6 | WiFi 6E | WiFi 7 |
|---------------|--|----------------|--------------------|--------------------|
| IEEE | 802.11ac | 802.11ax | | 802.11be |
| Max data rate | 3.5 Gbps | 9.6 Gbps | 9.6 Gbps | 46 Gbps |
| Bands | 5GHz | 2.4GHz, 5GHz | 2.4GHz, 5GHz, 6GHz | 2.4GHz, 5GHz, 6GHz |
| Bandwidth | 20 MHz, 40 MHz, 80 MHz, 80+80 MHz, 160 MHz | | | Up to 320 MHz |
| Modulation | 256-QAM OFDM | 1024-QAM OFDMA | | 4096-QAM |
| MIMO | 4x4 MIMO | 8x8 MU-MIMO | | 16x16 MU-MIMO |
| RU | N/A | RU | | Multi-RUs |
| Security | WPA 2 | WPA 3 | | WPA 3 |

Why Choose Ruckus Networks' Wi-Fi 7 Solution?



Ruckus Wi-Fi 7 products are engineered with unique features that deliver superior performance in demanding environments. Here's what sets them apart:

- Tri-Radio Architecture:** Operates on 2.4 GHz, 5 GHz, and 6 GHz bands simultaneously, enhancing capacity and throughput for high-density environments.
- BeamFlex+ Technology:** Smart antennas dynamically adjust to improve signal strength and coverage across all bands, reducing interference.
- AI-Driven Network Assurance:** Real-time analytics and automated incident management keep your network reliable and efficient.
- Multi-Link Operation (MLO):** Multiple wireless links ensure high connection reliability and throughput for demanding applications like 8K video streaming and XR.
- Advanced QoS and Low Latency:** Supports real-time applications with deterministic latency and advanced Quality of Service features.
- High Throughput and Capacity:** 4K QAM and 320 MHz channels fully utilize the 6 GHz spectrum for peak performance in high-demand environments.
- Enhanced Security:** DP3K combines Dynamic Pre-Shared Key (DP3K) with WPA3 for robust security against unauthorized access.

How to Upgrade Your Wi-Fi to Wi-Fi 7?

Alpha Care™

Services can help you deliver a top-tier Wi-Fi 7 network with:

- Expert Planning and Design:** Custom solutions tailored for your organization.
- Seamless Deployment and Integration:** Smooth transitions with minimal disruption.
- Optimization and Performance Tuning:** Ensure peak performance.
- Security and Compliance:** Protect your network with advanced security measures.
- Staff Training and 24/7 Support:** Keep your team informed and your network running smoothly.
- Future-Proofing and Scalability:** Prepare your network for tomorrow's demands.

Contact Us Now to Learn More!

Call us at **03-8060 3836** or reach out to your account manager.

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