RUCKUS® Professional AV Service

Offered by RUCKUS Professional Services

BENEFITS

- **AV-Centric Network Designs:** Tailored network solutions to enhance the home Wi-Fi experience with seamless connectivity across all areas of the property.

- **Reliability and Scalability:** Design enhances network optimization for work-from-home, AV communications and streaming, outdoor environments, and evolving site capabilities, enabling long-term growth and adaptability.

- **Customer Experience:** When experts design and commission the equipment customers have confidence in the solution and trust that best practices have been followed.

Optimized Network Solutions for Cost Efficiency and Risk Reduction

- Our service optimizes your network design and implementation to meet specified requirements, enabling optimal performance.

- By minimizing post-deployment costs and enhancing operational efficiency, we help you avoid costly issues.

- By identifying and addressing risks early, it enhances overall reliability, minimizing vulnerabilities and providing long-term value to your investment in a best-of-breed Professional AV network.

PROFESSIONAL NETWORK DESIGN, TESTING & OPTIMIZATION – ENHANCING OUR PARTNERS' & CUSTOMERS OPERATIONAL EFFICIENCY AND SOLUTION DEPLOYMENT OUTCOMES

The RUCKUS Professional AV Service provides outstanding user experiences while maximizing operational efficiency for the ProAV market. By designing and performing verification testing with optimization we help partners deliver personalized, reliable, and innovative services to their clients. With RUCKUS Professional Services, residences can streamline operations, boost sustainability, and meet key performance indicators (KPIs) for all applications.

- Design and deploy high-performance wired and Wi-Fi® networks in homes where general connectivity is simply not good enough.
- Luxury homes and their owners have an expectation of high performance of the network in every room of a home as well as outdoor areas where people congregate, or events take place. Typical VARs may not be comfortable with the expected level of performance and RUCKUS is here to provide the design and testing as assurance for their client.

SERVICE DESCRIPTION/ACTIVITIES

Requirements and KPI Analysis

- Review of Wi-Fi & ICX® requirements of the property, enhancing the network to meet the demands of both the user experiences, property management & operation.

On-Site Survey & Analysis

- Deliverable: Site Survey and Electromagnetic report for use by the RUCKUS Design Team
  - Determines possible installation locations for Access Points, suitable mounting method, cable runs, power availability, network connections, etc.
  - Provides site photos and identification of target service areas and documents any significant observations.

- Takes needed physical measurements (heights, distances, angles) to compliment floor/site plans drawings.
- Conducts Electromagnetic survey; captures a baseline of what interference and noise is in the Wi-Fi bands.
- Creates a survey report with sketches and pictures and all observations and technical details. A propagation survey will be performed on certain portions of the Venue to better calibrate the design tools if needed.

Remote RF Network Design Development

- Deliverable: Design Report encompassing the buildable Wi-Fi RF design, including network controller/AP configuration details.
  - Selection of final approved AP locations to meet the service requirements, including orientation, angle, tilt, antenna types, channelization, power settings, etc.
  - Service Area definitions (Heat/coverage maps).
  - Frequency Allocation for AP's (or defining the channel range to be used).
  - Network dimensioning for service capacity targets for each customer device class, including AP and backhaul connection requirements.

Onsite Post-Install Wi-Fi Design Validation & Service Testing

- Deliverable: IQT Report (Implementation Qualification Test), Network & End-to-End Test Report.
  - Verification of physical installation of each AP and configuration per design.
  - Confirmation of AP performance & coverage per design, backhaul performance from APs to controller and internet.
  - Confirmation of end user device operation and performance.
  - Optimization as needed.
  - Delivery of as-built documentation

Typical Scope includes

- Full home interior
- Outdoor coverage is included up to a 75' perimeter of the exterior walls of the home.
- Note: Projects are custom-scoped/priced based on property location, size, exceptions to typical coverage, and KPI expectations.

MAXIMIZING INVESTMENTS IN ProAV TECHNOLOGY

To help optimize technology investments, RUCKUS and its partners provide complete solutions that include education, support, and services tailored to the needs of the ProResAV sector. Contact your RUCKUS sales partner to learn more about RUCKUS Network Design Assurance Service for MDUs.

For further information or to engage RUCKUS Professional Services, email: ruckusproservices@commscope.com
or visit www.ruckusnetworks.com