

# RUCKUS® Smart Wi-Fi Portfolio for Federal



## SMART WI-FI ACCESS POINTS

- Indoor APs
- Outdoor APs



## SMART WI-FI ACCESS PLATFORMS

- SmartZone—Appliance
- SmartZone—Virtual Appliance
- RUCKUS Unleashed—Controller-less\*
- Cloud Wi-Fi—WLAN Management-as-a-Service\*

\* Products do not have federal certifications, but are available for guest or other non-classified network deployments

Federal agencies require robust, reliable wireless connectivity, both in-building and on-campus. Agencies have mission-critical needs for transferring massive amounts of data with low latency and are expanding the use of next-generation technologies such as high-definition video, virtual/augmented reality and the internet of things.

CommScope has engineered solutions to modernize federal network infrastructure for the fastest, most reliable Wi-Fi connections. The CommScope RUCKUS® portfolio offers federal agency and defense users the reliability, scalability, performance and security needed to effectively communicate in a wireless environment.

Wi-Fi solutions that meet the stringent certification requirements are limited within the federal market and CommScope is proud to be one of the few to offer exceptional networking solutions that help our customer achieve their mission goals.

## KEY FEATURES AND BENEFITS

### Multiple controller architectures

- Physical controller appliance for maximum control
- Virtual controller appliance for maximum control and deployment flexibility
- Cloud-managed for simple, intuitive management
- Controller-less for plug-and-play ease

### High-reliability, high-performance Wi-Fi

- Patented BeamFlex+® adaptive antenna technology yields better coverage, per device throughput and aggregate network capacity
- Patented ChannelFly® dynamic channel management technology maximizes AP and aggregate network capacity
- Patented technology allows SmartCast® queueing and scheduling techniques to deliver reliable QoS to all clients in complex traffic mixes

### Operational simplicity

- Simplified management options allow WLAN configuration in minutes
- Built-in monitoring, diagnostics and RF management
- Simple, robust security including 802.1x and dynamic pre-shared keys

### Dramatically lower CapEx/OpEx

- Superior coverage performance enables fewer APs to cover a given area—reducing up-front and recurring investment
- Superior density performance allows each AP to accommodate more users—reducing required AP count or providing greater investment longevity
- SmartMesh networking reduces cumbersome, costly cable runs

## CommScope certifications

- FIPS 140-2 validated
- DISA DoDIN APL approved
- Common Criteria
- TAA
- NSA CSfC Approved

## INDOOR & OUTDOOR ACCESS POINTS AND CONTROLLERS

The following products have federal certifications or are in the approval process

<b>R610</b>	Indoor 802.11ac Wave 2 Wi-Fi access point for dense device environments
<b>R720</b>	Indoor 802.11ac Wave 2 Wi-Fi access point with multi-gigabit backhaul for ultra-dense device environments
<b>T610</b>	Outdoor 802.11ac Wave 2 Wi-Fi access point
<b>T710</b>	Outdoor 802.11ac Wave 2 Wi-Fi access point with fiber backhaul
<b>R650</b>	High-performance Wi-Fi 6 4x4:4 indoor access point with 3 Gbps HE80/40 speeds and embedded IoT
<b>R750</b>	Very high-performance Wi-Fi 6 4x4:4 indoor access point with 3.5 Gbps HE80/40 speeds and embedded IoT
<b>R850</b>	Ultra-high-performance Wi-Fi 6 8x8:8 indoor access point with 5.9 Gbps HE80/40 speeds and embedded IoT
<b>T750SE</b>	Very High-Performance Wi-Fi 6 4x4:4 Outdoor Access Point with 3.5 Gbps HE80/40 Speeds and Embedded IoT. Available in omni or sector+ external antenna models
<b>Cloudpath Enrollment System</b>	Software/SaaS platform that delivers secure wired and wireless network access for BYOD, guest users and IT-owned devices
<b>SmartZone 144</b>	Scalable midsize campus and branch controller with wired and wireless network management capabilities. Supports up to 6,000 APs and 1,200 switches per cluster
<b>SmartZone 300</b>	Carrier-grade network controller that gives you the flexibility you need to manage complex network architectures. Supports up to 30,000 APs and 6,000 switches per cluster
<b>Virtual SmartZone (vSZ-E &amp; vSZ-H)</b>	Carrier-grade virtualized WLAN controller platform developed for service providers and large enterprise Cloud-managed WLAN (management-as-a-service)
<b>SmartZone Data Plane</b>	Appliance offered in virtual (vSZ-D) and physical (SZ144-D) form factors and can be deployed within a centralized data center, or remotely at tenant locations while maintaining centralized control over the entire wireless network

The following products and technologies are not currently certified; they all offer superior performance in any non-classified or guest network deployment.

<b>T310 Series</b>	Outdoor 2x2:2 2.4/5GHz 802.11ac Wave 2 Wi-Fi access points with omni and directed antennae
<b>RUCKUS Unleashed</b>	High-performance, simple-to-setup, easy-to-manage and affordable portfolio of access points with built-in controller functionality
<b>RUCKUS Cloud Wi-Fi</b>	Cloud-managed WLAN (management-as-a-service) provides a great solution for guest access or unclassified network connectivity needs
<b>RUCKUS Analytics</b>	A cloud service for network intelligence and service assurance. Powered by machine learning and artificial intelligence, it gives IT comprehensive visibility into network operations.
<b>RUCKUS IoT Controller</b>	Unified management and control for IoT devices attached to the RUCKUS Converged Access network infrastructure



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