

DATA SHEET



COMPRISED OF:

- An all-inclusive subscription package
- A large selection of compatible access points (APs)

SUBSCRIPTION OPTIONS:

- 1-year
- 3-year
- 5-year

THE SUBSCRIPTION INCLUDES:

- AP management
- Reporting and analytics
- 24x7 phone / chat / web support

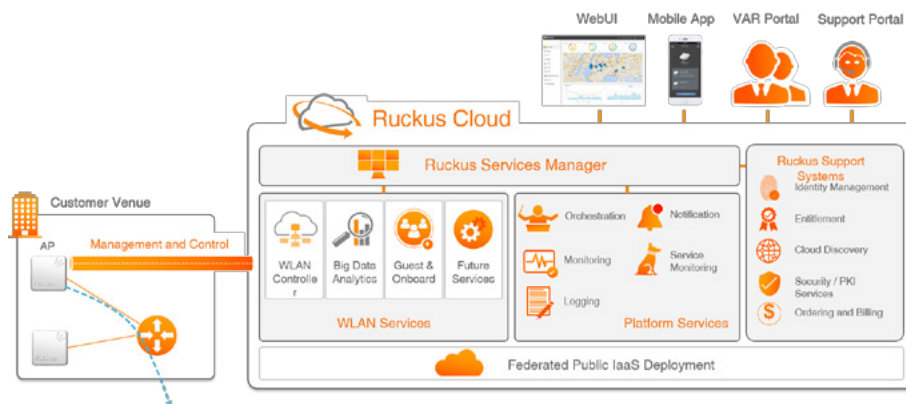
Ruckus Cloud Wi-Fi is WLAN Management-as-a-Service. Wi-Fi coverage and capacity is provided by high-performance APs deployed on site; control and management are delivered as a cloud service enabled by the Ruckus Cloud public cloud platform. Cloud Wi-Fi enables any organization with any level of IT resources to quickly and easily set up, monitor and manage a campus or multi-site WLAN of any size, without sacrificing Wi-Fi performance.

THE ONLY CLOUD-MANAGED WLAN THAT DELIVERS ALL OF THE FOLLOWING:

- Reliable operation under the most challenging client density, RF interference and environmental circumstances
- Simple, intuitive web-based and mobile app-based user interfaces that hide complexity from the user, displaying only the information needed to accomplish a task
- Scalability, to a network of any size, all visible through a single, common UI
- Investment protection: APs can be reused with any Ruckus architecture, should customers decide to migrate to an on-premises or data center-centric approach

RUCKUS CLOUD

The Ruckus Cloud is built on the proven, high-scale Virtual SmartZone controller platform and incorporates a sophisticated analytics and reporting function derived from the Ruckus SmartCell Insight big data analytics platform. The Ruckus Cloud features an extensible, Network Functions Virtualization (NFV)-compliant architecture that enables the rapid introduction of new capabilities—virtual network functions—including best-in-class 3rd party functionality.



Ruckus Cloud and Cloud Wi-Fi architecture

KEY FEATURES AND BENEFITS

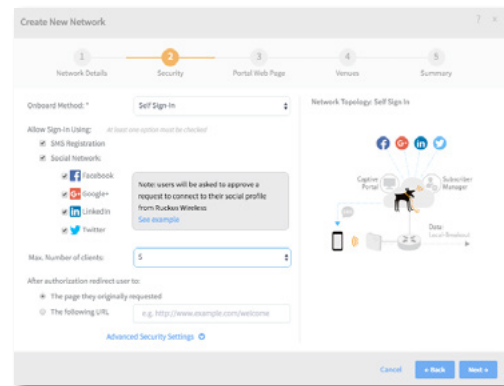
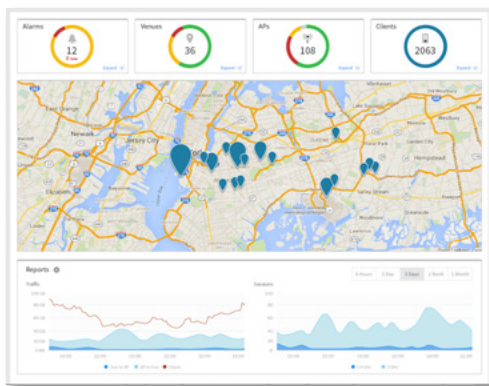
BEST-IN-CLASS APs

- The latest Ruckus 802.11ac Wave 1 and Wave 2 APs
 - Indoor and outdoor options
 - Mesh and roaming
 - Automatic RF optimization
 - Automatic interference mitigation
 - Automatic client load balancing and band balancing
- ✓ High-density deployments: 100 or more clients per AP
 - ✓ High-scale deployments: hundreds of sites, thousands of APs, tens of thousands of clients
 - ✓ Deployment: auto connect to cloud and serial number scanning



INTENT-DRIVEN UI

- Simplicity, intuitive UI speeds management
 - Venue concept makes WLAN deployment, management and troubleshooting intuitive across multiple sites
 - Complexity hidden within workflows
 - RF policies, WLAN types (private, public, sponsored guest), rich guest access options, QoS, VLANs
 - Logs pre-filtered by venue, WLAN, APs, clients
 - Dedicated section for big data analytics
- ✓ Fully multi-tenant architecture
 - ✓ Admin, guest manager and read-only role-based administration
 - ✓ Workflow to invite a VAR to manage network
 - ✓ "Easy button" allows Ruckus Support to access account on a 24x7 basis



RUCKUS CLOUD WI-FI

WLAN Management-as-a-Service

COMPREHENSIVE GUEST ACCESS AND WLAN SUPPORT

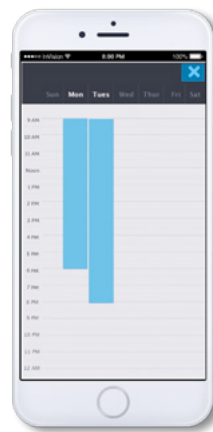
- Self-help or sponsored guest WLANs
- Social, SMS and other captive portal options
- Mobile app for dynamic captive portal ad insertion and monetization for the SMB
- Free Wi-Fi with lock-out period and simple unblock options
- MAC caching to allow repeat customers quick access to guest Wi-Fi

- ✓ Dedicated captive portal platforms
- ✓ Mobile, SMS, email notification integration
- ✓ Private access using PSK, Cloudpath or 802.1x with AAA
- ✓ Public access using social, SMS, email, click-through, passcode

POWERFUL MOBILE APP

- Free SMS, email and push notifications
- Get notified of AP up/down
- Scan serial# of AP to add to venue
- Change passphrase instantly
- Customize captive portal splash content and logo
- Extend free Wi-Fi access for guests
- Scan business card to generate guest pass

- ✓ Modern cloud-based application with push notifications
- ✓ Native iOS and Android versions



ZERO-TOUCH PROVISIONING

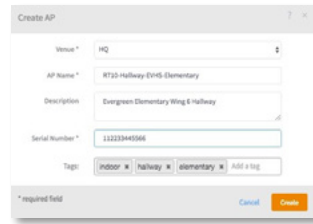
- Scan AP serial number with mobile app—no data entry required
- Global cloud discovery automatically registers APs
- Cloud auto-updates firmware upon registration

- ✓ LED indicators report cloud discovery status
- ✓ Latest firmware maintained by the cloud

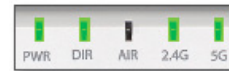
Scan serial# using mobile app



Or, add AP serial number in the web interface



Plug-in AP to connect to the cloud

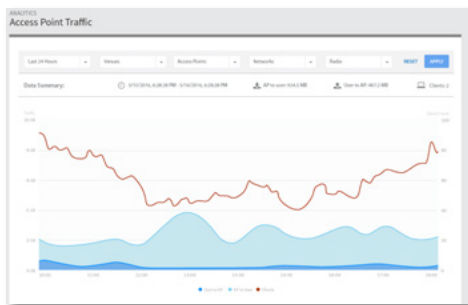


ALL GOOD!

ADVANCED REPORTING AND ANALYTICS

- Long-term reporting for up to 6 months
- 15-minute data interval
- By venue, by AP, by WLAN, by radio
- Client and AP traffic trending
- Application visibility

- ✓ Big data architecture using Hadoop multi-node clusters
- ✓ Extract, transform load processing
- ✓ Indexed structured reporting for fast access



ADVANCED REPORTING AND ANALYTICS

- Ruckus Cloud Wi-Fi managed APs can be migrated from or to Ruckus controller-based or controller-less architectures

- ✓ Cloud Wi-Fi runs the same virtual SmartZone controllers that customers can run in their data center
- ✓ Protect all your AP, installation and planning investment



RUCKUS CLOUD WI-FI

WLAN Management-as-a-Service

FEATURE SUMMARY

Scale	<ul style="list-style-type: none"> Virtually unlimited number of APs can be supported Clients per AP: refer to AP datasheet
Employee Wi-Fi	<ul style="list-style-type: none"> PSK (WPA/WPA2), 802.1x/RADIUS authentication SSID scheduling (via mobile app) Per client bandwidth limit
Guest Wi-Fi	<ul style="list-style-type: none"> Open, PSK, captive portal, social Wi-Fi login (Facebook, Google+, LinkedIn, Twitter), sponsored guest Guest manager (Front desk) admin portal SMS authentication, email and print guest pass SSID scheduling (via mobile app) Free Wi-Fi access with time limit (via mobile app) Per WLAN aggregate bandwidth limit Per WLAN and per client bandwidth limit MAC caching support
RF Features	<ul style="list-style-type: none"> Channel and power control per venue BeamFlex, BeamFlex+, band balancing (between 2.4 and 5GHz radios on the same AP), load balancing (between APs) ChannelFly and background scan Airtime fairness Client isolation Mesh (AP model R310 does not support mesh)
Traffic Types	<ul style="list-style-type: none"> Only AP and client management traffic is sent to cloud Client data traffic is broken out to local LAN
Security	<ul style="list-style-type: none"> All traffic from AP to cloud is encrypted Client data traffic is locally terminated (not sent to cloud) Management data in the cloud is fully encrypted
Secure Device Onboarding and Device-based Policy	<ul style="list-style-type: none"> Via Cloudpath subscription service (sold separately)
Long-term Reporting	<ul style="list-style-type: none"> Application visibility Complete traffic report (per AP, per SSID, per venue, per radio) Session report Unique client report (tracking 2.4 vs 5GHz clients over time) Duration: up to 6 months (some reports may be restricted to shorter duration)
Troubleshooting	<ul style="list-style-type: none"> Remotely reboot APs, pull diagnostics information Event logs sorted by venue, SSID, AP, client Alarms generated for AP status
Mobile App	<ul style="list-style-type: none"> iOS and android native applications Push notifications for alarms (e.g. AP up/down events) Add new APs to venue, add new SSIDs (enterprise or guest), view and modify SSID and passphrase Monitor status of WLAN and clients Customize captive portal content, define custom SSID schedules Monitor and unblock guest Wi-Fi users that have reached free Wi-Fi limit

VAR Delegation	<ul style="list-style-type: none"> Organizations have the ability to delegate their access credentials to enable Ruckus authorized VAR to manage network Ruckus VAR single sign-on to manage multiple customer networks
Other Management Highlights	<ul style="list-style-type: none"> SMS, email and mobile push notifications <ul style="list-style-type: none"> Network alerts Customer notifications Google maps integration Import floor plan to venue to visualize physical location of APs
Cloud Infrastructure	<ul style="list-style-type: none"> Hosted in USA on world-class IAAS provider with: <ul style="list-style-type: none"> ISO 27001 information security certification SSAE-16, SOC 1, SOC 2, and SOC 3 certifications Stringent physical, data access, data disposal security measures Green carbon-neutral facilities Dedicated inter-DC fiber connectivity
SLA	<ul style="list-style-type: none"> 99.9% network availability (does not include planned maintenance including periodic software upgrades and other pre-announced activities) Ruckus NOC (U.S.-based)
Support	<ul style="list-style-type: none"> 24x7 chat/online ticketing system/phone support options Support for the Wi-Fi service is included for the term of the subscription AP hardware warranty is covered separately with the AP purchase <ul style="list-style-type: none"> Generally, warranty on indoor APs is limited lifetime and on outdoor APs it is 1 year. Refer to the specific AP datasheet for details. Warranty replacement process is return to factory. Ruckus will ship replacement AP after receiving customer's AP. Advanced hardware replacement for each AP is sold separately (SKUs starting with 803-).
AP Models Supported	<ul style="list-style-type: none"> All Unleashed APs (SKUs starting with 9U1)
Cloud SKUs	<ul style="list-style-type: none"> 1-year Cloud Wi-Fi license for one AP <ul style="list-style-type: none"> CLD-RKWF-1001 3-year Cloud Wi-Fi license for one AP <ul style="list-style-type: none"> CLD-RKWF-3001 5-year Cloud Wi-Fi license for one AP <ul style="list-style-type: none"> CLD-RKWF-5001 <p>Note: Subscription starts when the activation email is sent to customer. The start time is the same for all the licenses in the order, e.g., if customer orders 50 x 5-yr subscription, subscription start time is the same for all 50 APs, even if some are installed at a later date.</p>