



HOSPITALITY

Unlocking the potential of your network to give your guests a world-class experience

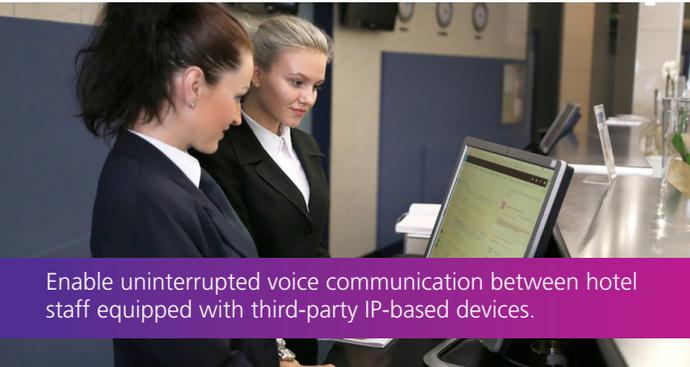
COMMScope®

Ruckus has joined CommScope



ENHANCING THE CONNECTED GUEST EXPERIENCE

Today's business and leisure travelers are more tech savvy than ever and expect high-speed internet connectivity for their smart devices everywhere. Eighty-three percent of hotel guests take the time to report a bad Wi-Fi experience and 36 percent won't rebook if they had one. If your guests can't get a fast, **reliable internet connection**, they will not likely come back. **CommScope's** wired and wireless solutions are the gold standard for hoteliers worldwide.



Enable uninterrupted voice communication between hotel staff equipped with third-party IP-based devices.

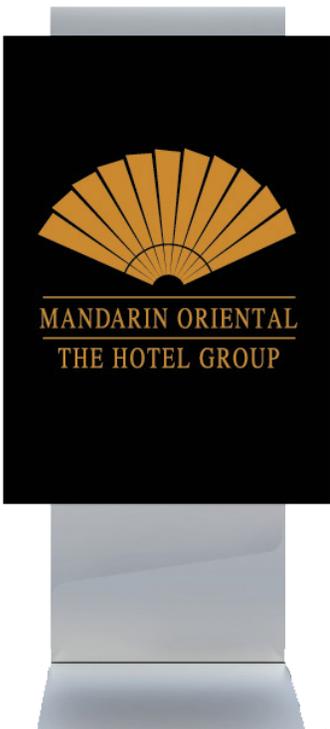
ONE NETWORK FOR ALL CONVERGED SERVICES

Ruckus high performance access points and Ruckus ICX™ switches enable hoteliers to deploy a single, reliable network infrastructure to concurrently support essential business applications such as

- Tiered high-speed internet access (HSIA)
- Point-of-sale terminals
- IP-based video on demand (VOD)
- Back-office and service-optimization services
- Voice over IP (VoIP)
- Digital signage and kiosks
- In-room IP-enabled devices of all kinds

UNMATCHED MULTIMEDIA SUPPORT

IP-based video streaming, voice communications and other multimedia applications such as digital signage are all rapidly becoming essentials. CommScope's portfolio of Ruckus Smart Wi-Fi solutions is purpose-built with patented adaptive antenna technology and traffic-engineering technologies to uniquely classify, schedule, prioritize, and optimize latency-sensitive multimedia traffic. Combined with CommScope's vast portfolios of copper and fiber infrastructure, bandwidth without boundaries is within easy reach.



Connect wireless kiosks to provide guests with access to information, anytime.



Ensure flicker-free video for guests.



Support essential business and guest optimization services—from the back office to point-of-sale terminals to IP-based devices.

“Ubiquitous, fast, and reliable broadband wireless is now one of the main criteria for selecting a hotel in today’s mobile world. The innovations CommScope has made in the area of adaptive Wi-Fi signaling to solve important Wi-Fi range and reliability problems have empowered us to truly redefine the guest experience.”

SIMPLER NETWORKS FOR THE AGILE HOTELIER

As hotels’ business requirements evolve, networks must be easy to deploy and manage. Switch stacking can dramatically minimize network management time and expense while enabling a simplified, scalable high-performance network. When stacked, multiple switches are managed as a single switch and their resources pooled.

With options to increase network capacity and mix different switches together, hoteliers can grow their networks as necessary while keeping management simple, efficient and economical.

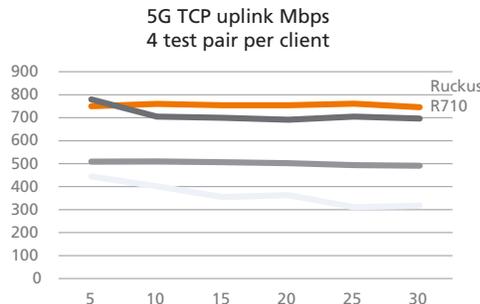
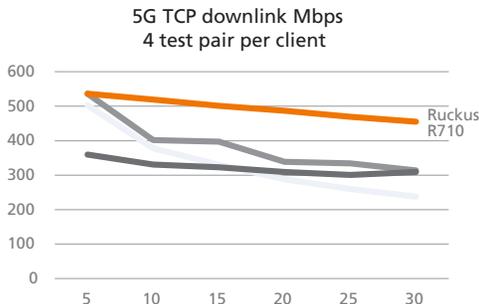
CommScope’s guaranteed application performance ensures your configuration will do everything you need it to do—and our global network of partners is ready to help install and support your platform over the long term.



FLEXIBLE, SCALABLE NETWORKING

A fabric design will deliver higher scalability and increased network visibility while reducing network operations costs. CommScope’s Ruckus Campus Fabric is highly reliable, based on a centralized controller switch with redundant load balancing links. The switch shares network services and capabilities with other switches in the fabric network. Switches deployed anywhere in the network by hotel IT staff are automatically provisioned with zero-touch deployment. With a single point of management, troubleshooting and adding capacity are much easier—and uptime is increased.

Results: 30 MacBook Pro x 4 Test pair per client



Ruckus Smart Wi-Fi outperforms all other 802.11ac and 802.11n wireless access points

Ruckus Smart Wi-Fi APs consistently outperformed all devices under testing (DUTs), taking top marks in almost every test scenario.





FEELING THE LOVE

from a marquee list of world renowned customers



COST-EFFECTIVELY MODERNIZING THE NETWORK

Hotels are constantly challenged to keep up with expanding multimedia services that have become the standard for guests. Ruckus ICX switches lead in delivering the best performance at a lower price point, and support multimedia services for years to come.

INNOVATION WITH MULTI-GIGABIT TECHNOLOGY

Where speed is needed, Ruckus is optimized by design for the latest Wi-Fi performance standards with multi-gigabit solutions (802.3bz, 2.5 gigabit). Indeed, CommScope has blazed new paths of higher performance for years, including 10G Category 6A copper, fiber and power over Ethernet (PoE).

We provide not only the industry-leading in-room access solutions for hotel guests, but also the ideal Wi-Fi and networking solution for areas of the hotel where large numbers of people congregate, such as conference centers or business meeting areas. These areas of the hotel require special attention to ensure guests can connect their devices without compromising network speed. CommScope has the ideal solution that combines the Ruckus R720 access point and the Ruckus ICX 7150 Z-Series switch to ensure multi-gigabit support and optimal 802.11ac Wave 2 to the most users and devices.

CommScope's Ruckus R720 AP provides the highest Wi-Fi performance available today with an upgraded multi-gigabit Ethernet (2.5 GbE) port and 4x4:4 802.11ac Wave 2. The Ruckus ICX 7150 Z-Series stackable switch is designed specifically to complement the R720 access point with multi-gigabit Ethernet ports and industry-leading PoE power budget, supporting all PoE, PoE+ and PoH (power over HDBaseT) up to 90 watts per port—and CommScope continues to pioneer new technologies in our own PoE lab.

The combination of the R720 and ICX 7150 Z-Series ensures data is transmitted at the full potential of the Wave 2 standard to support even the highest density and demand found in your hotel.

CONVERGED WIRED-WIRELESS MANAGEMENT

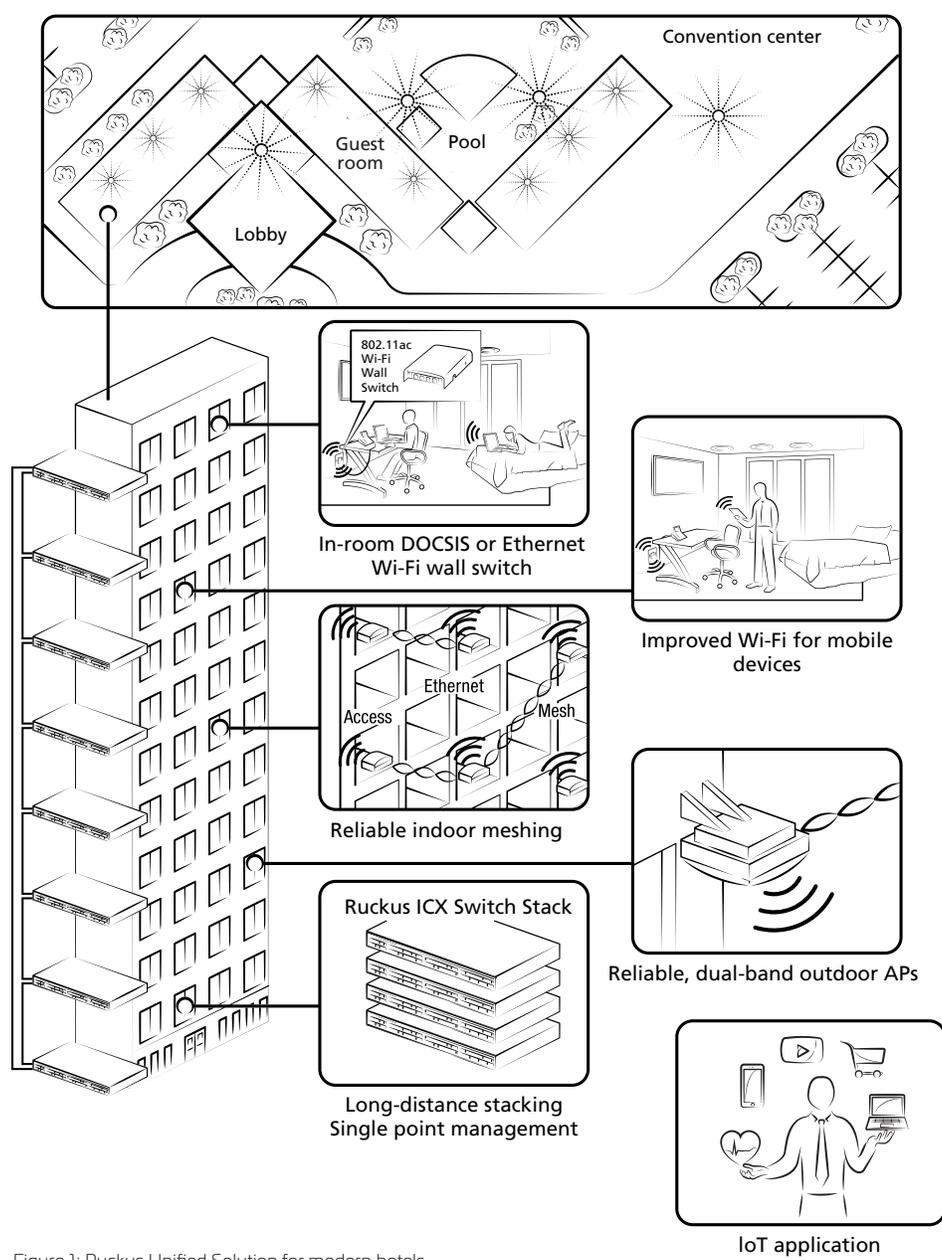
Ruckus SmartZone network controllers simplify network set-up and management, enhance security, minimize troubleshooting and ease upgrades of Ruckus access points and switches.

SmartZone network controllers deliver the scale, flexibility and openness to support the most sophisticated deployment scenarios like multi-geo networks or multi-tiered managed network services.





RUCKUS Smart Wi-Fi DELIVERS Hospitality's Most Flexible Deployment Options



Flexible Deployment Options

HSIA, converged services, VoD, VoIP, POS, guest networking, service optimization, back office administration, digital signage

Figure 1: Ruckus Unified Solution for modern hotels.



Like many hotels around the world, La Quinta was experiencing a fundamental change in guest behavior and wireless usage patterns. Hotel guests wanted more control over their online experience—with the ability to access, view and display their own content anywhere within the hotel. With more than 84,000 guest rooms, hundreds of hotels, and 9 million loyalty members, La Quinta is the fastest growing principal select-service hotel primarily serving the midscale/upper-midscale segments around the world. La Quinta needed to deliver the online experience that exceeded guests’ experience at home.

Only a best-in-class wireless network architecture could meet this need. It was essential to design and deploy a smart Wi-Fi infrastructure capable of automatically adapting Wi-Fi signals and channel assignments to guest devices in order to achieve the best possible wireless performance and reliability. A better utilization of the bandwidth-rich 5 GHz band became a key requirement along with the ability for wireless networks to deal with lower-powered smart mobile devices. The multi-device guest required a wireless service that provides for flicker-free streaming video and multimedia content from myriad different devices.

La Quinta selected and standardized on an advanced wireless network infrastructure based on CommScope’s Ruckus Smart Wi-Fi solutions. With CommScope’s Ruckus portfolio, La Quinta would be able to deliver stronger signal coverage to every corner of every property, more reliable Wi-Fi connections that would keep guests connected, and elegant management that kept things simple for remote wireless administrators. According to La Quinta, the results have been nothing less than spectacular, with guests raving about the stability and performance of the new Smart Wi-Fi services.

With patented smart antenna array technology integrated into Ruckus Smart Wi-Fi access points, La Quinta could increase wireless performance, capacity and range with fewer access points for each property compared to competitive alternatives.

This translated into lower CapEx and OpEx, eliminating the need for onsite IT support at each property. With Ruckus Smart Wi-Fi infrastructure now in place, La Quinta guests are now living the dream, with an online wireless experience that mirrors what they have at home—something every hotel guest expects, and every hotel craves.

Great hotels are choosing CommScope’s Ruckus solutions to solve their top technology and business challenges

Problem	CommScope’s Ruckus solution
Overcoming spotty coverage	High-gain smart antenna system extends coverage by a factor of two—or even a factor of four—requiring fewer APs per hotel
Offering seamless guest networking	Intuitive, browser-based facility lets any guest-facing staff generate a unique and timed Wi-Fi guest pass in less than 60 seconds
Providing consistent wireless HSIA for guests	CommScope’s patented adaptive antenna technology and smart antenna array technology within every Ruckus Smart Wi-Fi access point ensures stable client connectivity and mitigates packet loss to ensure the highest performance possible
Converging multiple services over Wi-Fi	Provides up to 32 discrete WLAN networks that can be used to concurrently support IP-based video, voice, HSIA, digital advertising, and back office applications
Streamlining complex, cumbersome deployments	Long-range, high-gain access points require fewer nodes to cover a given area and allow Wi-Fi services to be offered in areas where Ethernet cabling doesn’t exist or can’t be pulled, through advanced wireless meshing
Offering voice over Wi-Fi	Advanced Wi-Fi signal controls and quality of service technology provide superior support of IP-based VoIP phone and Wi-Fi badges
Offering IP-based video support without new infrastructure	Dual-band 802.11ac delivers picture-perfect streaming of high-definition IP-based video over the same network used to provide HSIA
Building an efficient converged network	Wired, wireless and IoT networks seamlessly integrated and managed together centrally



Complete Portfolio for **HOSPITALITY**

C110



2x2:2 802.11ac Wave 2 wall-plate AP with DOCSIS 3.0 cable modem

H320



Wall-mounted 2x2:2 802.11ac Wave 2 Wi-Fi AP and wired switch

H510



Wall-mounted 2x2:2 802.11ac Wave 2 Wi-Fi AP and wired switch with IoT support

R510



Indoor 2x2:2 802.11ac Wave 2 Wi-Fi AP for medium-density environments

R610



Indoor 802.11ac Wave 2 Wi-Fi AP for medium-density environments

R710



Indoor 4x4:4 802.11ac Wave 2 Wi-Fi AP for high-density environments

R720



Indoor 802.11ac Wave 2 Wi-Fi AP with multi-gigabit backhaul for high-density environments

R750



Indoor 802.11ax 4x4 dual concurrent AP with MU-MIMO, BeamFlex+ and 2.5 Gbps backhaul

T310



Outdoor 2x2:2 2.4/5GHz 802.11ac Wave 2 Wi-Fi

T710



Outdoor 802.11ac Wave 2 Wi-Fi access point with fiber backhaul

Structured cabling



Comprehensive platform of copper and fiber connectivity



Complete Portfolio for **HOSPITALITY**

ICX 7150 switches



Multi-gigabit access 8/10/12/24/48 ports L2/L3 PoE and fiber switches for in-room or IDF deployment with up to 8 x 10 GbE uplinks

ICX 7250 switches



Gigabit access 24/48 port L2/L3 PoE switches for IDF deployment with 8 x 10 GbE uplinks and redundant external power option

ICX 7450 switches



Gigabit access/aggregation 24/48 port L2/L3 PoE and fiber switches for IDF deployment with 10/40 GbE uplinks and redundant hot-swap power and fans

ICX 7650 switches



Multi-gigabit access/aggregation 24/48 port L2/L3 PoE and fiber switches for IDF/MDF deployment with 10/40/100 GbE uplinks and redundant hot-swap power and fans

ICX 7850 switches



High-performance core 32/48 port 10/25/40/100 GbE speed, L2/L3 switches for MDF deployment with redundant hot-swap power and fans

SmartZone network controller



Scalable network controllers for Wi-Fi control and converged wired-wireless management; physical or virtual appliance

SmartCell Insight



Data Analytics and Reporting

Ruckus fiber backpack



Purpose-built, fiber-to-copper Ethernet media converter accessory provides a pluggable fiber interface for Ruckus H510 wall-mounted APs for fiber-to-the-room deployment

imVision®



Automated infrastructure management that provides a holistic view of your building's network connectivity

CommScope (NASDAQ: COMM) helps design, build and manage wired and wireless networks around the world. As a communications infrastructure leader, we shape the always-on networks of tomorrow. For more than 40 years, our global team of greater than 20,000 employees, innovators and technologists has empowered customers in all regions of the world to anticipate what's next and push the boundaries of what's possible. Discover more at [commscope.com](https://www.commscope.com)

CommScope pushes the boundaries of communications technology with game-changing ideas and ground-breaking discoveries that spark profound human achievement. We collaborate with our customers and partners to design, create and build the world's most advanced networks. It is our passion and commitment to identify the next opportunity and realize a better tomorrow. Discover more at [commscope.com](https://www.commscope.com)



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