Wireless Services

DELIVERING THE NEXT-GENERATION WIRELESS EXPERIENCE

MOBILITY SOLUTIONS ARE RAPIDLY EVOLVING

WI-Fi6, 6E and Private 5G (P5G) wireless technology have dramatically improved the wireless experience and have impacted how we work, live and play. These next-generation mobile technology are based on the new 802.11ax and 5G standards. They significantly increased speed, bandwidth and features.

Successful and seamless deployment of 802.11ax and P5G-enabled solutions are paramount for enterprises, as these new technologies will open up opportunities and create new ways for businesses to operate. Organizations need wireless solutions that meet current business requirements and have the flexibility to adapt to evolving technology standards and changing market and organizational demands. They also need a provider they can rely on for expert guidance, proven processes and best practices to help minimize risk and disruption so they can innovate faster and stay competitive while embracing this next chapter of intent-based networking.

RED RIVER AND CISCO HELP ORGANIZATIONS STAY UP TO SPEED

Our wireless services help organizations transition to advanced mobility solutions by:

- Improving reliability, security and resiliency of wireless networks by identifying architectural gaps and creating strategies to address them.
- Providing secure mobile access to business applications with a validated design that delivers high throughput and reliability.
- Enhancing wireless network performance with operational insights, frequent evaluations and strategic recommendations.
- Reducing operational costs with greater IT efficiency, simplified wired and wireless operations and improved network management.
- Minimizing disruption while simplifying and accelerating troubleshooting with solution support.

THE RED RIVER DIFFERENCE

To best meet your needs, we provide a wide array of capabilities and certifications:

- Red River Help Desk, Providing 24/7 Level 1 & 2 Support
- 24/7/365 US-Based Phone Support
- 50+ engineers to plan, build and run solutions
- Powerful portfolio of partners and solution components
- ISO 9001:2015 Certified
- SOC 2 Type 1 Certified

WIRELESS SERVICES

Managed Wireless	Wireless Installation	Wireless Engineering	Wireless Design	Wireless Equipment
Wireless Design	Wireless Design	Wireless Design	Wireless Design	Hardware / Software
Pre-Install Survey	Pre-Installation Survey	Pre-Installation Survey	Pre-Install Survey	
Project Management	Project Management	Project Management	Project Management	
Installation	Installation	Pre-Installation Survey		
Post-Install Survey	Pre-Installation Survey			
Management Options				
Internet Connection				

TECHNOLOGY DECISIONS AREN'T BLACK AND WHITE. THINK RED.

KEY WIRELESS SERVICES

Wireless Design
Designs are created based on industry standards for RF deployments and customer needs. They can be designed for Data Coverage, Voice Grade Coverage, Capacity Planning or Location Based Services for WLANs needs, as well as indoor or outdoor RF designs for P5G.

Pre-Install Survey
We create predictive design based on the floor plans and knowledge of the facility in relation to wall, room, ceiling and door types. The 'AP-on-a-Stick' strategy is used for measuring RF propagation and attenuation to validate and calibrate predictive design.

Post-Install Survey
Red River verifies the RF coverage per the WLAN or P5G design via passive RF survey. This service assesses the physical WLAN or P5G infrastructure after deployment to ensure proper coverage and performance.

Project Management
A dedicated Project Management Team is assigned and available throughout the lifecycle of the project. Technical and administrative resources are added as needed to complete the project successfully.

Installation
We provide installation services for firewalls, access switches, routers, access points, wireless LAN controllers, cloud configuration, CAT6 or fiber optical cabling to support the WLAN & P5G infrastructure.

Internet Connection
We provide Internet Service Provider connection to support the wireless infrastructure. These ISP connections are sized to meet customer needs and can range from 10Mbs to 1Gbs.

Management/Operation
We perform all day-2 operations from proactive monitoring to incident and proactive problem management of your wireless infrastructure.

THE CISCO 5G ADVANTAGE

Cisco Private 5G is a full-service offering designed to provide maximum benefits while minimizing the work and capital expenses associated with private network ownership along with these critical benefits:

Single pane of glass – Only Cisco's single-pane-of-glass model provides implementation of multiple network locations across both Wi-Fi and 5G domains for simplified operations.

Powerful Monitoring & Visibility - Cisco ThousandEyes® complements Private 5G, providing detailed network visibility to eliminate "blind spots" for faster issue resolution.

Identity Management – Cisco Private 5G applies a combination of policy, identity and security to the most complex enterprise and government networks. It enables building use case–specific policy and security that is unmet in the industry.

Remote Device Provisioning & Activation - Cisco Private 5G supports eSIM (embedded Subscriber Identity Module) technology eliminating the need for physical SIM cards, allowing for remote provisioning and management of multiple devices.

Complementary to Wi-Fi - Cisco Private 5G seamlessly integrates with existing enterprise networks and Wi-Fi deployments.

Flexible Models – Cisco Private 5G provides a flexible service offering that optimizes your user experience through a pay-as-you-go-and-grow consumption model with embedded security and intelligence.

To learn more about how Red River and Cisco can help your organization adopt next generation mobility solutions, contact mobility@redriver.com.

ABOUT CISCO

Cisco (NASDAQ: CSCO) is the worldwide technology leader that securely connects everything to make anything possible. Our purpose is to power an inclusive future for all by helping our customers reimagine their applications, power hybrid work, secure their enterprise, transform their infrastructure, and meet their sustainability goals.

Learn more at **cisco.com**.

ABOUT RED RIVER

Red River brings together the ideal combination of talent, partners and products to disrupt the status quo in technology and drive success for business and government in ways previously unattainable. Red River serves organizations well beyond traditional technology integration, bringing more than 25 years of experience and mission-critical expertise in artificial intelligence, managed services, cybersecurity, modern infrastructure, collaboration and cloud solutions.

Learn more at **redriver.com**.