

Cumulus Consulting Group

Mobility Delivered.

Cumulus Consulting Group was founded to fill a void within the networking industry. While there are many network design and consulting firms in the market, comparatively few have our depth of experience in the wireless industry. That experience uniquely positions us to deliver on your business and technical goals.

Our consultants have been involved in the design, deployment and support of thousands of indoor and outdoor mobility solutions across virtually every business environment including enterprise, government, pharmaceutical, healthcare, logistics and education. Having seen the wireless industry grow from its humble beginnings into the truly powerful technology it is today, our consultants have deployed countless generations of products from early proprietary narrowband UHF technologies through modern standards-based 2.4GHz and 5GHz technologies.

The Cumulus Approach

With years of experience and thousands of successful wireless deployments behind them our consultants know what it takes to effectively deploy a wireless network. Our proven three phased approach to the complete wireless network project lifecycle ensures that your project will exceed expectation. Our involvement in your project can range from providing a complete turn-key solution to having one of our consultants as a member of your team to provide help and expertise along the way.

It begins with the design, determining requirements, selecting hardware, and developing a deployment strategy all with security, scalability, and manageability in mind. Efforts at this stage pay dividends in the implementation and ongoing support phases by laying the foundation for the entire project.

With a solid design in place, the implementation phase can be carried out in an efficient manner. Our approach is heavily focused on documentation, and at no other phase is this more important. From the site survey, to hardware configuration, installation, and post-installation site survey, the network is meticulously documented. The effort put forth in the design and implementation phases produces a well executed and manageable network. From re-evaluating security to quickly identifying and correcting problems, the ongoing support services that Cumulus offers are designed to efficiently keep your network running as smoothly and securely as intended.

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Simplifying Wireless Network Deployments

Getting your wireless network project off the ground can be a daunting process. With each manufacturer promoting their solution as the best and industry analysts providing overly general guidelines, choosing the right path can be difficult. While the one-size-fits-all solutions often proposed by may seem logical, without considering your individual business goals they often fall short of your expectations.

What do we do different? We focus first on your needs and goals, and then we design the solution around them. It seems like a simple approach, and it is. We know the products that are available and understand their strengths and limitations. We also know that a wireless network design needs to go beyond the infrastructure. With wireless clients ranging from PC's to cameras to phones, planning for the wide range of security, performance, and management capabilities is equally critical.

Wireless Implementation Services

- *Wireless Site Survey* - Perhaps the most important implementation step is the radio frequency site survey. This process ensures that the deployed wireless network will meet or exceed the performance and reliability requirements identified in the design phase.
- *Infrastructure Configuration and Installation* - Proper network device configuration and installation ensures a successful deployment of your wireless network. Cumulus can verify the operational state of your installed wireless network and that the RF propagation pattern of each installed access point conforms to the coverage areas defined during the site survey process.
- *Post Implementation Support* - To complete the wireless network project lifecycle, our offerings range from proactive network monitoring and security audits to advanced troubleshooting, remote diagnostics, and technical phone support.

Advanced Design and Consulting Services

- *Wireless Network Design* - Wireless network design based on your specific requirements provides needs analysis, infrastructure recommendations, architecture design and security analysis
- *Wireless VoIP Readiness Assessment* - Wireless VoIP as a networked application introduces unique requirements and stresses on a WLAN design. Problems such as network latency often go unnoticed in typical data networks, however are audibly detectible as poor voice quality or dropped and missed calls in wireless VoIP applications.
- *Wireless Client Device Selection and Integration* - Our consultants have extensive experience with client devices ranging from industrial data collection computers through PDA and voice equipment.



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