

Solutions for Networking

Wireless Solutions for Networking

In a world increasingly reliant on electronic information, enterprises, governments, and consumers are less and less tolerant of network disruptions and lack of Internet access. Heightened concerns about natural and man-made disasters, aging urban infrastructures, and recent regulatory requirements for business continuity management are driving the growth of fixed cellular broadband. As broadband cellular expands and has become more reliable, organizations have increased deployment of secondary networks in response to the downtime risks presented by the wired infrastructure. Wireless Internet access is also a feasible alternative for consumers in areas where hardwire connections are inconvenient or costly to provision.

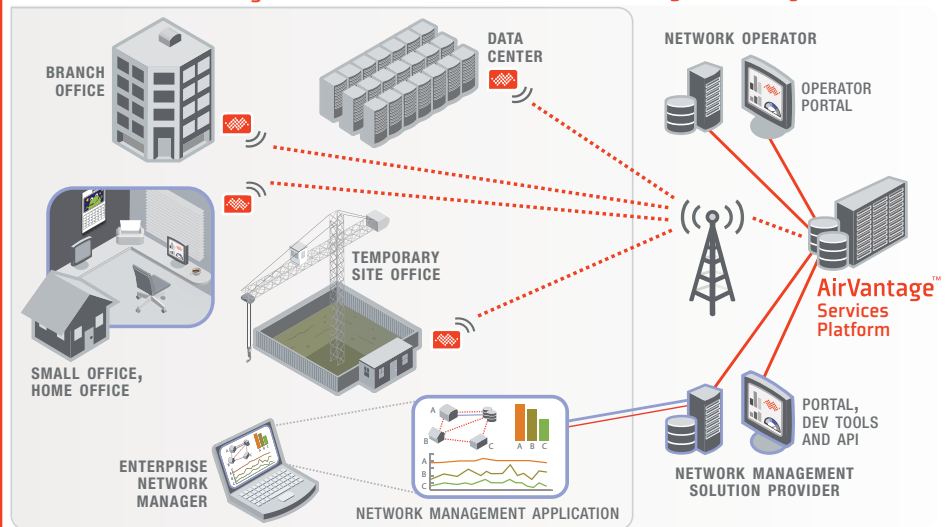
Network solution providers and ISPs can deliver affordable wireless Internet to any residential or business location served by high-speed cellular networks. Cellular broadband allows:

- Business continuity: secondary network, disaster recovery, or branch data backup
- Consistent access to corporate intranets: for remote or rural offices; provisioning temporary or mobile offices
- Fixed wireless access instead of wired for business and residential Internet in remote or rural areas with cellular coverage

Networking Applications

- Business continuity and disaster recovery
- Remote/temporary network access
- Rapidly deployable fixed wireless access
- Residential
- Business
- ISP

Wireless connectivity provided by Sierra Wireless
AirPrime™ Intelligent Embedded Modules & AirLink™ Intelligent Gateways & Routers



Sierra Wireless offers a broad portfolio of wireless devices, software, and management services designed to support the demands of enterprises and ISPs, by engineering intelligent devices that deliver secure data transmission, reliability, and long product life. A 3G solution from Sierra Wireless serves as a reliable, central connectivity hub to simplify deployment of complex routing and business continuity solutions. Embedded security protocols, easy set up, and remote configuration and management features simplify installation and reduce total cost of ownership for OEMs and ISPs. Sierra Wireless solutions deliver:

- Low risk and low cost with proven, off-the-shelf wireless technologies
- Solutions that are portable and quick to deploy
- Remote voice and data transmission capabilities to support a mobile workforce
- Fast time-to-market with pre-certified wireless devices
- Management services platform to simplify subscriber support and billing



Wireless Solutions for Networking

Trends	Challenges	Meeting the Challenges with Sierra Wireless
<p>Business Continuity Management</p> <p>Deploying alternate VPNs and backbones, including wireless</p> <p>Deploying temporary or secondary locations as hubs</p> <p>Increased decentralization of offices and key personnel</p> <p>Outsourcing to disaster recovery or hosted back up services</p>	<ul style="list-style-type: none">• Fast, secure, and reliable high volume data transmission• Simple, fast set up and configuration of wireless equipment• Global coverage with reliable data access• Remote support and maintenance• Integration with open standards, device protocols, and network applications• Achieving high customer satisfaction• Cost and logistics of managing concurrent subscriptions and/or billing	<ul style="list-style-type: none">• Ensure accurate data transmission with secure, mission-critical communications.• Intelligent wireless devices with comprehensive configuration tools to rapidly deploy back-up solutions.• Devices that support the latest, fastest 3G networks in all parts of the world.• Take advantage of Sierra Wireless' certification experience and strong relationships with network operators worldwide when you need to deploy internationally.• Sierra Wireless professional services support for high volume deployments. Remote management tools to manage and troubleshoot from anywhere with an internet connection.• Embedded intelligence and remote configuration and management simplify deployment and streamline on-going maintenance.• Build flexible solutions using wireless devices that offer:<ul style="list-style-type: none">» Programmable embedded intelligence» Open, secure communications protocols» Development tools and APIs that simplify programming» Out-of-the box configuration environment• Offer web-based self-care platform to customers with comprehensive M2M services from Sierra Wireless AirVantage™ Services Platform• Provide support teams with tools and information to troubleshoot, diagnose and update remotely over-the-air• Reduce administration costs with an operating portal that includes subscription and billing management
<p>Business Productivity</p> <p>Connecting remote or temporary locations</p>		
<p>Fixed Wireless Access Services</p> <p>Connecting remote or temporary locations to ISPs</p>		



End-to-end solutions

Whether you are building network solutions for enterprises, ISPs, or consumers, you need a flexible, broad range of wireless solutions to maximize your opportunities. From embedded modules, ruggedized intelligent gateways and routers, software suites, and development tools to services platforms, Sierra Wireless is the only company that can offer all the technology components you need for building end-to-end networking applications.

Simplify integration and deployment

Get products to new markets faster with open and proven technologies that allow rapid design and easy integration, with a services platform that enables fast deployment and cost-effective maintenance and support. For well over a decade Sierra Wireless has shown a strong commitment to staying current with network standards and protocols so that customer's products are future-proofed. Minimize engineering and lifecycle costs when you need to expand to new markets by using modules with compatible form factors that support multiple air interfaces. Comprehensive remote management tools simplify device configuration and troubleshooting, minimizing field service costs by allowing support managers to monitor and control remote assets from any internet connection.

Business-critical reliability

Whether your products are installed in a data centre or a remote branch office, be assured of reliability, long product lifespan, and persistent network connections for the business-critical communications your customers demand. Sierra Wireless products are built to withstand extreme temperatures, humidity, and vibration. Designed with built in intelligence, these devices are designed to maintain an always-on, always-aware connection.

Credibility with network operators worldwide

Get through network certification faster and get customers deployed faster by leveraging Sierra Wireless's credibility and long-standing relationships with leading wireless network operators to facilitate network certification and connection. Avoid regulatory and network operator certification by taking advantage of pre-certified Sierra Wireless gateways, routers, and embedded modules.

Partner for Success

When you need to deliver solutions that are reliable, cost-effective and easy to maintain, contact Sierra Wireless. Reduce risk and development cost with proven wireless technologies designed for easy integration, fast deployment and scalability.

Sierra Wireless is certified with network operators worldwide including:

- AT&T (USA)
- Bell Mobility (Canada)
- Bouygues Telecom (France)
- O2 (UK and Ireland)
- Soft Bank (Japan)
- Sprint (USA)
- Telecom New Zealand
- Telenor (Norway)
- Telefonica (Spain)
- Telstra (Australia)
- Telus (Canada)
- Verizon Wireless (USA)



Networking Solutions

Sierra Wireless Product Advantages

Networking requirement	Sierra Wireless AirLink™ Gateways and Routers	Sierra Wireless AirPrime™ Embedded Modules
<ul style="list-style-type: none"> • Easy connectivity to other network equipment, systems, and applications 	<ul style="list-style-type: none"> • ALEOS™ embedded intelligence supports a broad list of protocols and features a robust configuration environment for easy integration 	<ul style="list-style-type: none"> • Open AT® Operating System and Plug-Ins allow integration with any protocol*
<ul style="list-style-type: none"> • Secure, reliable, high bandwidth data transmission 	<ul style="list-style-type: none"> • Business-critical reliability with persistent network connections that reconnect automatically • Support for secure communications including: SSL, IPsec, WPA Enterprise, firewall, MAC address filtering and secure login. Integration with a secure payment terminal, enables a PCI compliant solution • Support for the latest, fastest 3G networks available 	<ul style="list-style-type: none"> • Mission-critical reliability with persistent network connections that reconnect automatically • Fast initialization sequence to attach/reattach to network; low latency AT command support • Open AT® Operating System provides advanced security features such encryption, SSL or jamming detection • Support for the latest, fastest 3G networks available
<ul style="list-style-type: none"> • Rugged, high-quality, long life components 	<ul style="list-style-type: none"> • Designed and manufactured for durability to withstand extreme environments in outdoor locations 	<ul style="list-style-type: none"> • Ruggedized designs and embedded SIM options are manufactured to withstand harsh outdoor or mobile environments
<ul style="list-style-type: none"> • Portability 	<ul style="list-style-type: none"> • Rugged, easily removed, and easily redeployed 	<ul style="list-style-type: none"> • Lightweight, compact wireless devices allow for compact product designs. • Embedded SIM allows even more miniaturization

Sierra Wireless AirVantage™ Services Platform

- Services that simplify customer support and services
- The AirVantage™ Platform provides a comprehensive, scalable and secure services platform with a web portal and powerful tools that allow remote deployment, configuration, and maintenance of networking solutions and services.



For further company and product information, please visit www.sierrawireless.com

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