

Solutions for Security

Wireless Solutions for Security

Increased awareness of security risks, demand for more effective deterrents of unauthorized activities, and the need to lower public security costs are driving the market for more cost-effective security solutions. Whether you are protecting a residential property, office building, airport or border, reliable data communications is vital to providing the real-time awareness required for effective decision making and timely response. Wherever data communications plays a role, cellular wireless offers secure, rapid and flexible installation when traditional fixed line deployments are too remote, costly or difficult to connect.

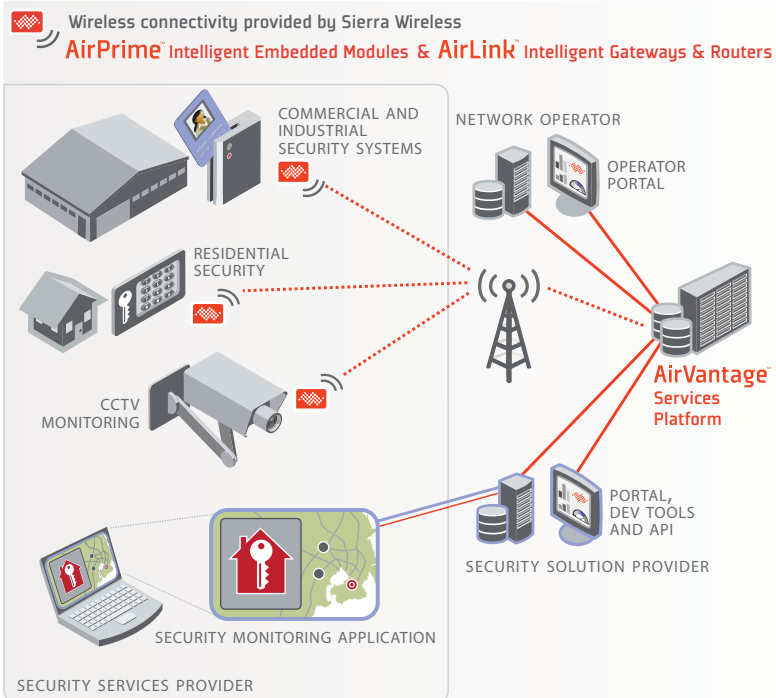
Security Applications

Video surveillance

- Airports
- Borders
- Buildings
- Streets

Premises monitoring

- Home
- Commercial
- Government
- Security access control
- Alarms



Sierra Wireless offers a broad portfolio of wireless devices, software, and management services designed to support the demands of wirelessly enabled security equipment. We engineer intelligent devices for secure data transmission, reliability, and long product life. Embedded security protocols, low power consumption, easy integration, and remote configuration and management features simplify installation and reduce your total cost of ownership. A secure, reliable 3G/4G solution from Sierra Wireless gives you the ability to:

- Minimize cost and risk with proven, off-the-shelf wireless technologies
- Reduce development effort with modules and gateways designed for smooth integration into existing systems
- Reduce time-to-market with open development tools and wireless devices pre-certified with major network operators for guaranteed connectivity



Wirelessly Connecting the Security Industry

Trends	Challenges	Meeting the Challenges with Sierra Wireless
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Expansion of video surveillance use in:

- Streets
- Schools
- Commercial buildings
- Borders
- Transportation terminals
- Vehicles

Increased use of high density surveillance cameras

Temporary deployments of security equipment:

- For event security
- Various surveillance locations

Total security solutions that integrate video, audio, and alarm sensors to command-and-control management centers

- Large-scale deployments in diverse locations and harsh environmental conditions
- Fast, reliable video transmission
- Reliable mobile transmission
- Higher bandwidth to support higher resolution images

- Portability and fast connection set up
- Global coverage

- Integration with open standards as well as proprietary device protocols

Meeting the Challenges with Sierra Wireless

- Reduce time to market with Sierra Wireless professional services experience in high volume deployments
- Ensure accurate data transmission with secure, mission-critical communications at 3G and 4G speeds
- Benefit from rugged wireless devices designed to withstand mobile or extreme conditions
- Keep mobile units online with highly reliable, persistent network connections and support for global roaming
- Wireless devices support the latest, fastest 3G and 4G networks available

- Reduce unit size with lightweight, compact wireless devices
- Increase usage time with wireless modules designed for low power consumption
- Get instant wireless connectivity anywhere a mobile phone works, with interfaces that support all major cellular networks

- Maximize opportunities for integrated solutions with a broad portfolio of wireless devices that offer:
 - » Programmable embedded intelligence
 - » Open, secure communications protocols
 - » Plug-ins for TCP/IP, GPS, and other features
 - » Development tools
 - » Service APIs that simplify programming



End-to-end solutions

Sierra Wireless is the only company that can offer all the technology components you need for building end-to-end security applications. From ruggedized embedded modules, gateways and routers, software suites, and development tools to services platforms, our broad portfolio of products means you can match the right wireless device to the right product. Our range of products will work with your products, and you benefit from compatible product families that reduce your learning curve and investment in development time.

Simplify integration and deployment

Get new products to market 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. 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. With Sierra Wireless, our ongoing commitment to staying current with network standards means your products are future-proofed.

Mission-critical reliability

Whether your products are installed on a street or in a moving vehicle, be assured of reliability, long product lifespan, and persistent network connections for mission-critical communications. Sierra Wireless products are built to withstand extreme temperatures, humidity, and vibration.

Credibility with wireless network operators worldwide

Get through network certification faster and get to market faster. Leverage Sierra Wireless credibility and long-standing relationships with leading wireless network operators to facilitate network certification and connection.

Partner for Success

When you need to deliver solutions that are reliable, secure, 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 security solution customers include:

- Tellular
- Jablotron
- Copenhagen Airport
- Crime Point
- Danish National Police
- ORBCOMM
- Parkwood Fire Department
- Pierce County Sheriff

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
- Telefonica (Spain)
- Telenor (Norway)
- Telstra (Australia)
- Telus (Canada)
- Verizon Wireless (USA)
- Vodafone



Security Solutions

Sierra Wireless Product Advantages

Security Solution Requirement	Sierra Wireless AirLink™ Gateways and Routers	Sierra Wireless AirPrime™ Embedded Modules
<ul style="list-style-type: none"> • Easy integration of wireless devices to other devices and software 	<ul style="list-style-type: none"> • ALEOS™ embedded intelligence supports a broad list of machine protocols and features a robust configuration environment for easy integration 	<ul style="list-style-type: none"> • The Open AT® Operating System, its service APIs, and development tools allow integration to security applications and protocols using C/C+ or LUA
<ul style="list-style-type: none"> • Secure, reliable data transmission in both mobile and static environments 	<ul style="list-style-type: none"> • Support for secure communications including: SSL, IPsec, WPA Enterprise, firewall, MAC address filtering and secure login. Integrates with secure payment terminals, enables a PCI compliant solution • Mission-critical reliability with persistent network connections that reconnect automatically 	<ul style="list-style-type: none"> • Fast initialization sequence to attach/reattach to network; low latency AT command support • Open AT® Operating System provides advanced security features such as encryption, SSL, and jamming detection • Mission-critical reliability with persistent network connections that reconnect automatically
<ul style="list-style-type: none"> • Cost-effective, high-volume components 	<ul style="list-style-type: none"> • Embedded intelligence and remote configuration provide the lowest total cost of ownership 	<ul style="list-style-type: none"> • Surface mount technology enables high-volume production efficiency
<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 and vibrations in outdoor locations and mobile vehicles 	<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"> • Low power consumption 	<ul style="list-style-type: none"> • Facilitates the use of battery or solar power when needed 	<ul style="list-style-type: none"> • Advanced low power mode; burst IT mode control optimizes battery usage
<ul style="list-style-type: none"> • Portability 	<ul style="list-style-type: none"> • Easily removed from retired equipment or vehicles and re-deployed 	<ul style="list-style-type: none"> • Lightweight, compact wireless devices; low power mode support; surface mount technology • Embedded SIM allows even more product miniaturization

Sierra Wireless AirVantage™ Services Platform

Cost-effective maintenance and management

AirVantage Services Platform provides a comprehensive, scalable and secure services platform with a web portal and powerful tools that allow remote deployment, configuration, and maintenance of your products and services.

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



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