

# Sierra Wireless AirPrime® Embedded Wireless Modules

## Simple, Scalable, Secure

Sierra Wireless' family of AirPrime® embedded modules is the industry's most comprehensive portfolio of wireless modules for industrial and automotive-grade applications. AirPrime modules make it simple for M2M solution providers to develop applications that are scalable and secure, while achieving faster time-to-market and lower development and deployment costs.

### A PRODUCT PORTFOLIO DESIGNED FOR M2M

Whether you're designing for compact industrial devices or rugged automotive applications, AirPrime modules offer the industry's broadest portfolio of wireless M2M technologies. Choose from 2G, 3G or 4G LTE, ultra-compact footprints or standard form factors, essential features or powerful processing.

- **Smart Modules:** an entire M2M ecosystem on a module, including processing capabilities, a complete software development environment and cloud-based services.
- **Essential Modules:** easy product integration, painless upgrades, and reliable key M2M connectivity features in standard and compact form factors.

### ACCELERATE M2M APPLICATION DEVELOPMENT

AirPrime Smart modules offer on-board processing and building blocks to make application development even faster and easier. Designed specifically for M2M application development the Legato™ platform, an open source embedded platform built on Linux, and the Open AT application framework offer fully integrated software and tools to run, build, and connect your applications.

### SIMPLIFY OPERATIONS WITH A SECURE M2M CLOUD

AirVantage® M2M Cloud simplifies device management and delivers machine information wherever you need it. It features an open connection to wireless devices and their mobile subscriptions, powerful device management with interactive dashboards, alerts, and FOTA, data security all the way from devices to data center and through to the enterprise, and big data storage and consolidation.



### AIRPRIME PRODUCT BENEFITS

- Rugged, reliable wireless modules designed specifically for M2M environments
- Complete software package for M2M application development
- Secure device management and machine information wherever you need it
- Operator certifications and long standing relationships worldwide

# Smart Modules Overview

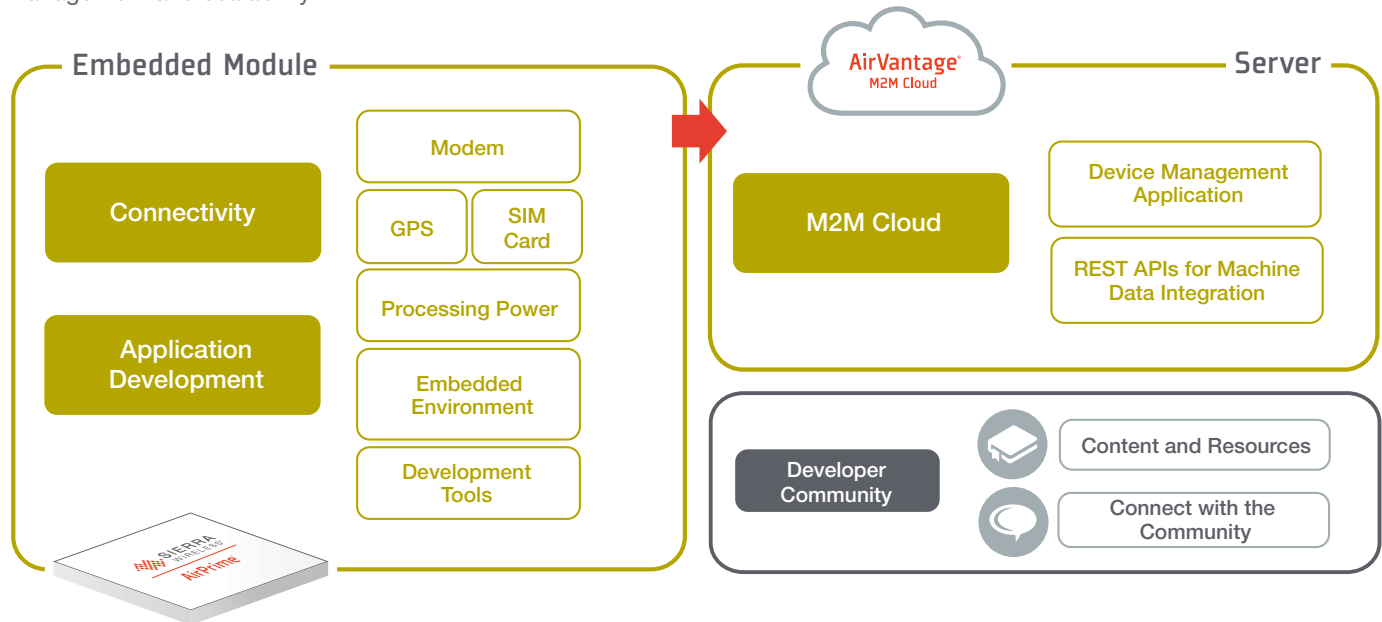
## Make Complex Simple with Smart Modules

Sierra Wireless AirPrime AR and WP smart modules for automotive and industrial solutions simplify the challenges of M2M integration and deployment by providing an entire M2M ecosystem on a module.

With on-board building blocks for M2M, smart modules reduce total costs and time-to-market. Processing power simplifies system design while embedded software and tools help streamline development. Pre-integration with the AirVantage M2M Cloud reduces deployment costs and ensures efficient management and scalability.

### AIRPRIME SMART MODULE BENEFITS

- On-board building blocks including an embedded software environment and secure cloud services
- Solutions that scale: from one machine to thousands, from 2G to 3G, from 3G to 4G
- Secure solutions: reduce risk with an integrated architecture designed by a trusted partner with over 15 years of M2M experience



### MODULES FOR AUTOMOTIVE APPLICATIONS

#### AR Series:

AR Series modules offer powerful and reliable in-vehicle connectivity while providing a simplified, cost optimized architecture for e-call and infotainment systems.

### MODULES FOR INDUSTRIAL APPLICATIONS

#### WP Series:

Equipped with a multicore architecture, WP modules offer a powerful dedicated processor, an open source embedded platform and secure cloud services to reduce system complexity and lower total costs.

#### SL Series:

Highly programmable, future-proof modules offer an easy and scalable upgrade path from 2G to 3G networks anywhere in the world. The LGA packaging suits high-volume automated production to lower deployment time and costs.

#### Q Series:

Scale across a single product design and easily upgrade from 2G to 3G anywhere in the world. Connectorized modules are designed for snap-on integration and suited to lower volume production.

#### Air Interfaces

4G LTE , 3G HSPA+ / EV-DO

4G LTE , 3G HSPA+ / EV-DO

Multimode: 3G HSPA+ and EV-DO  
3G HSDPA / HSPA+ / EV-DO  
2G EDGE / CDMA 1x

3G HSPA+, 2G EDGE / GPRS  
2G CDMA 1x



AirPrime®

# Smart Modules Overview

## Simplify Application Development

Sierra Wireless embedded software environments make M2M application development simpler, faster, and more cost-effective.

### FULLY INTEGRATED EMBEDDED SOFTWARE ENVIRONMENTS

Sierra Wireless embedded software environments are fully integrated and validated with AirPrime smart modules and provide seamless communication with the AirVantage M2M Cloud.

The **Legato Platform** comes with the latest generation of AirPrime modules and provides an open source embedded platform built on Linux. Made up of a tightly integrated application framework, Linux distribution, and feature-rich development environment, the Legato Platform comes ready to run, build, and connect out of the box.

The **Open AT Application Framework** provides an operating system and a wide choice of libraries for standard C/C++ applications. Supported by a well-established active developer community using AirPrime SL and Q Series, it has a proven track record of more than 10 years and millions of devices in the field.



"Working with Sierra Wireless allowed us to focus on our own core strengths—we didn't need to become wireless experts to integrate the connectivity we needed and get our router to market quickly."

*Helmut Ratzenhofer, CEO, GÖRLITZ Austria GmbH*

## Manage Devices Remotely and Get Machine Information

The AirVantage M2M Cloud simplifies device management and delivers machine information wherever you need it.

### POWERFUL DEVICE MANAGEMENT

Easily deploy, monitor and upgrade wireless devices remotely with AirVantage Management Service, a comprehensive application with interactive dashboards. Automatically connect your AirPrime modules and start using it today to configure settings, activate airtime subscriptions, monitor devices in the field and perform over-the-air upgrades tomorrow.

### FAST MACHINE-DATA INTEGRATION

Quickly integrate actionable machine information into backend systems and applications with the AirVantage Enterprise Platform offering advanced REST APIs along with powerful device and data management dashboards. Drive operational efficiency with valuable data integrated to CRM or ERP systems, develop new web applications to enhance customer service.



**AirPrime®**

# Essential Modules Overview

## Easy Integration, Proven Reliability

AirPrime Essential modules offer reliable wireless connectivity in standard and compact form factors to make product integration easy. Air interface choices from 2G to 4G LTE means painless upgrades using the same footprint. Designed to be ideal for industrial M2M solutions, Essential modules feature technology that's been proven worldwide.

### MC Series:

These PCI mini cards with industrial specifications offer reliable high-speed connectivity to the latest wireless technologies. Standard form factors and support for a wide range of air interfaces ensure the upgrade paths you need.

### Air Interfaces

4G LTE  
Multimode: 3G HSPA+ and EV-DO  
3G HSPA+ / EV-DO

### HL /WS Series:

These modules combine easy integration with essential wireless features in ultra-compact form factors aimed at smaller product designs. Select to suit your needs, whether it's global roaming, cost/performance optimization, or resistance to harsh environmental conditions.

3G HSDPA  
2G EDGE / GPRS

### AIRPRIME ESSENTIAL MODULE BENEFITS

- Easy integration: essential M2M features available in a wide range of easy-to-integrate form factors
- Easy design: select according to your product needs from compact and ultra-compact form factors or standards-based PCI mini cards
- Easy upgrade paths: from 2G to 3G, from 3G to 4G

## Professional Services Overview

Take advantage of our expertise to avoid deployment errors that could result in delays and added expenses.

- **Learning Center:** Get detailed technical training on the Open AT Application Framework. Download Open AT or Legato for free on the Developer Zone at [developer.sierrawireless.com](http://developer.sierrawireless.com)
- **Customer Design Review:** Ensure solution stability and performance early in your development life cycle.
- **Customer Product Certification:** Reduce product certification costs and ensure a smooth certification process.
- **Extended Warranty:** To support products with long life cycles, Sierra Wireless offers various options for warranty extension.

### About Sierra Wireless

Sierra Wireless is the global leader in machine-to-machine (M2M) devices and cloud services, delivering intelligent wireless solutions that simplify the connected world. Our solutions are **simple**, **scalable**, and **secure**, and enable customers to get their connected products and services to market faster.

For further company and product information, please visit [www.sierrawireless.com](http://www.sierrawireless.com).