

AirLink™ Fastrack Programmable Modem for EDGE Networks

Rugged Programmable Modems for Cellular Connection to M2M Applications

AirLink™ Fastrack Xtend is a programmable modem Original Equipment Manufacturers (OEM) can use to integrate cellular connectivity into their equipment, or when combined with AirVantage services from Sierra Wireless as an essential piece of a full M2M solution.

THE FASTRACK TO OEM INTEGRATION

Equipped with Mini-USB and RS-232 serial ports, the AirLink Fastrack provides OEMs with a quicker path to market. By leveraging Fastrack, OEMs can wirelessly enable their equipment without performing a full module integration. Since the Fastrack has been certified by regulatory bodies as well as tier one network operators, there is no need for additional certifications.

ROBUST PROGRAMMING ENVIRONMENT

The AirLink Fastrack for EDGE networks is supported by the Sierra Wireless Open AT operating system. Open AT is a flexible programming interface that facilitates the development of custom applications. Customers and integrators can leverage a collection of tools that allow them to embed custom C/C++ applications into a Fastrack.

BUILDING AN M2M SOLUTION

To further enable development of custom applications for device management and for specific vertical M2M applications, the AirLink Fastrack is supported by our AirVantage Services Platform. The AirVantage platform is comprehensive, scalable and secure including a web portal and a powerful set of tools to easily create, deploy, operate and maintain M2M solutions and services. These services are hosted and operated worldwide under a Software as a Service (SaaS) model. By working with our team of solutions experts, customers can create an end-to-end M2M solution that fits their specific business need.

FLEXIBILITY THROUGH EXPANSION

The AirLink Fastrack for EDGE networks features an expansion slot to increase the flexibility of the device by easily exposing new features and functionality. Sierra Wireless currently offers both Ethernet and GPS expansion cards to increase the usefulness of the Fastrack in applications requiring those features. New features can be added as Sierra Wireless and third party developers create additional expansion cards to meet market needs.



KEY BENEFITS:

- External serial and USB ports enable seamless integration with OEM devices
- Integration into OEM devices without the need for additional certifications
- Open AT operating system creates a robust programming environment
- Rugged for use in harsh conditions
- Compact form factor for easy installation



OpenAT



AirLink™

AirLink™ Fastrack Programmable Modem for EDGE Networks

Technical Specifications

PRODUCT FEATURES

- Open AT Operating System
- Expansion Slot
- Rugged Aluminum Case
- Compact Form Factor
- Serial Port
- Mini USB Device Port
- 1 Year Warranty

POWER

- Alarm - 400 uA
- Standby and Idle - 2.5 mA
- GSM Max - 400 mA Max
- Optional Battery Pack

TECHNOLOGY

- EDGE with fallback to: GPRS/GSM

BANDS

- Quad-Band GSM
850, 900, 1800, 1900 MHz

ENVIRONMENTAL

- Operating temperature range:
-30°C to +75°C / -22°F to +167°F
- Storage temperature:
-40°C to +85°C / -40°F to +185°F

DIMENSIONS

- 89 mm x 60 mm x 30 mm
3.5 in x 2.7 in x 1.2 in

STANDARDS/APPROVALS

- FCC
- RoHS
- PTCRB
- R&TTE
- GCF
- Carrier Specific Approvals

HOST INTERFACES

- RS-232: DB9 (1200-230400 baud)
- USB 2.0 (Mini-B5)
- Antenna Connection:
50 Ohm SMA
- Embedded SIM
- SIM Slot
- Expansion Slot

CPU PERFORMANCE

- Processor: ARM946/DSP
- Core Frequency: 104 MHz/26/MHz
- 87 User MIPS
- I/O Voltage: 2.6 - 1.5 V DC

AUDIO

- Analog: 1x speaker out, 1x micro in
- Digital: With expansion card
- CODEC: HR, FR, EFR, AMR
- Quality: VDA2A
- DTMF
- Echo Cancellation
- Noise Reduction



APPLICATIONS:

- Energy Management
- Vending
- Security
- SCADA/Telemetry
- GPS Tracking (with Expansion Card)
- OEM Integration