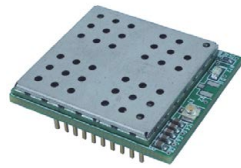# Skywire™ Embedded Cellular Modem

3G GSM / HSPA+

Plug-In Solutions

Add robust cellular connectivity to your M2M devices without the cost, delay, and hassle of federal and carrier certifications. Extensive experience in designing and building embedded product solutions makes the NimbeLink Skywire™ embedded cellular modem the smallest on the market. Its U.FL port ensures antenna flexibility. It complies with the popular XBEE interface standard and supports This product supports HSPA+ communication, minimizing costs of hardware and network access.

The NimbeLink Skywire™ cellular modem is available with bundled data plans from leading cellular carriers. This product supports HSPA+ and includes a Micro-SIM card slot that can accomodate Micro-SIM formfactor SIM cards from any carrier. Other footprint compatible products support 1xRTT, EVDO and LTE, and like our other prdoucts will let you quickly, easily, and economically incorporate fully-compliant cellular connectivity into devices without having to apply for certification.

Development Tools

The development kit includes one Skywire™ cellular modem, baseboard, antenna, power supply, and debug cable. The kit enables you to develop your application directly on the Skywire™ modem with three different ways to connect:

- Connect your PC to the HE910 UART port via onboard USB-to-UART

Documentation:

Skywire Cellular Modem HSPA+ - Product Brief COMING SOON!

Skywire Cellular Modem HSPA+ - Data Sheet COMING SOON!

Skywire Cellular Modem - Mechanical Model STEP (ZIP)

Software Users Guide (PDF)

AT Command Reference Guide (PDF)

Skywire Development Kit - User Manual COMING SOON!

Development Kit - Schematic (PDF)

Development Kit - Schematic (DSN)

Development Kit - Software Examples (ZIP)

Additional Design Resources Available from Telit

converter and send AT commands directly to the modem through PC terminal applications.

- The baseboard is an Arduino shield, so you can plug the module directly onto an Arduino microcontroller. (Kit includes sample sketches showing how to initialize the modem, make data connections, and send and receive SMS messages.)

- To connect the kit to a different processor or development kit, a 14-pin header breaks out the necessary signals for easy connection to any device. The modem supports I/O levels from 1.65-5.5V, simplifying connection to other systems.

Skywire Development Kit Contents

Kit mounted on Arduino

Orderable Part Numbers and Where to Buy

Part Number	Distributor Links	Description
NL-SW-HSPAP	Digikey.com	Skywire™ Cellular Modem, HSPA+
NL-SWDK-HSPAP	Digikey.com	Skywire™ Development Kit, includes NL-SW-HSPAP

How to Contact Sales or Support

If you have questions about where to purchase, inventory levels, product support, design consultation or any other general inquiries, please contact us through our Contact Us form with your specific question and we will get back to you promptly.