

NimbeLink Skywire™ GPRS Embedded Cellular Modem

Product Description

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 GSM GPRS class 10 communication, minimizing costs of hardware and network access.

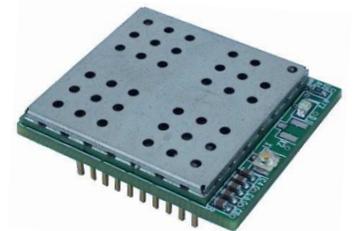
The NimbeLink Skywire™ cellular modem is available with bundled data plans from leading cellular carriers. This product supports GSM GPRS class 10. Other footprint compatible products support 1xRTT, EVDO and LTE, and like our other products will let you quickly, easily, and economically incorporate fully-compliant cellular connectivity into devices without having to apply for certification.

Take the complexity out of designing cellular M2M solutions.

NimbeLink.
Smart. Simple. Cellular.

Advantages

- FCC & PTCRB Certified
- Lowest cost 2G GSM GPRS
- Migration path to UMTS 1xRTT, EVDO & LTE
- Bundled data plans available
- Micro SIM card slot on module



| Orderable Part Number | Description |
|-----------------------|--|
| NL-SW-GPRS | Skywire™ Cellular Modem, GSM |
| NL-SWDK-GPRS | Skywire™ Development Kit, includes NL-SW-GPRS module |

Technical Specifications

| | |
|--------------------------|---------------------|
| Power Active Call | 330mA |
| Normal | 10mA |
| Power Saving | 1mA |
| Input Voltage | 3.5V - 4.3V |
| I / O Voltage | 1.65V - 5.5V |
| Temperature Range | -40 to 85 C |
| Dimensions | 29mm x 33mm x 6.5mm |

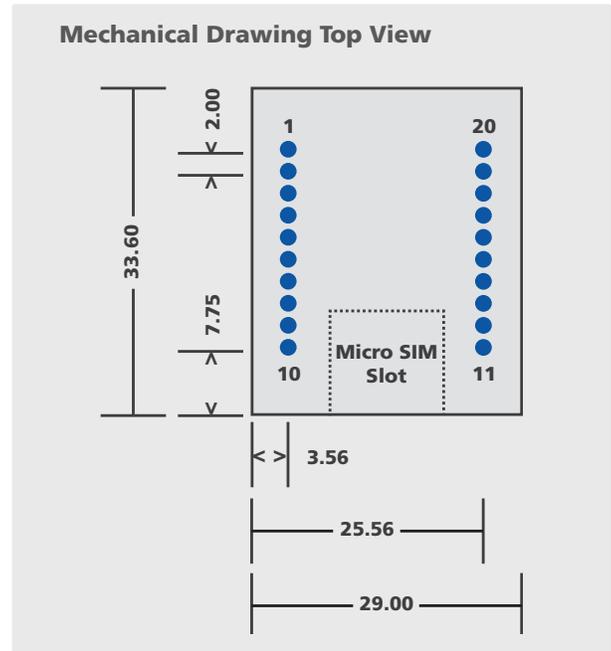
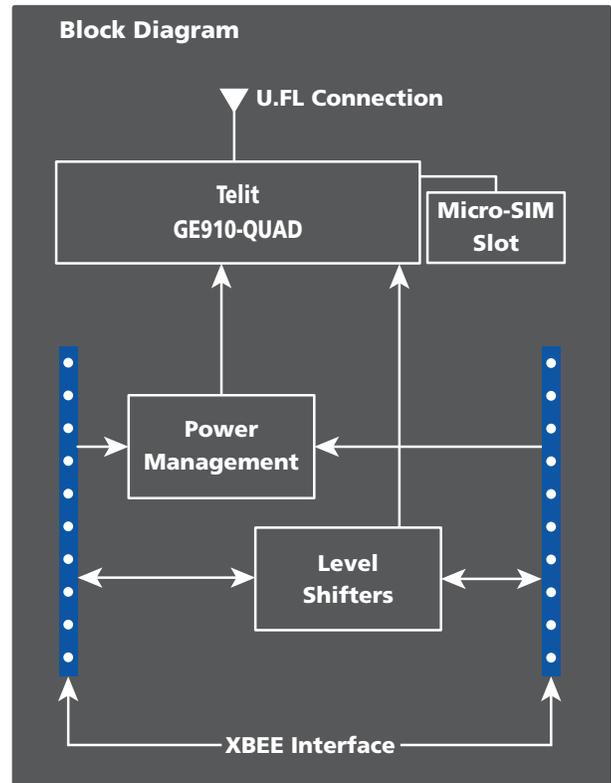
Module Features

- Industry Smallest
- U.FL port for antenna flexibility
- XBEE Form Factor

Development Kit

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

- Connect your PC to the GE910-QUAD UART port via onboard USB-to-UART 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.



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