

NimbeLink Skywire™ EVDO 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 ports ensures antenna flexibility. It complies with the popular XBEE interface standard and supports EV-DO Rev. A communication, minimizing costs of hardware and network access. And Verizon's commitment to the CDMA network helps ensure long product life.

The NimbeLink Skywire™ modem is available with bundled data plans from leading cellular carriers. This product supports CDMA EV-DO rev. A and also integrates GPS and GLONASS receivers for worldwide positioning coverage. Other footprint compatible products support 1xRTT, GSM/GPRS and LTE, and like the current products will let you quickly, easily, and economically incorporate fully-compliant cellular connectivity into devices without having to apply for certification.

This module also supports antenna diversity to improve receive sensitivity and download speeds.

Take the complexity out of designing cellular M2M solutions.

NimbeLink.
Smart. Simple. Cellular.

Advantages

- FCC & Verizon OD Certified
- Supports GPS & GLONASS
- Migration path to 1xRTT, GSM, & LTE
- Bundled data plans available



Orderable Part Number	Description
NL-SW-EVDO-V	Skywire™ Cellular Modem, CDMA EVDO, Verizon
NL-SWDK-EVDO-V	Skywire™ Development Kit, includes NL-SW-EVDO-V module

Technical Specifications

Power Active Call	750mA
Normal	3mA
Power Saving	15uA
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

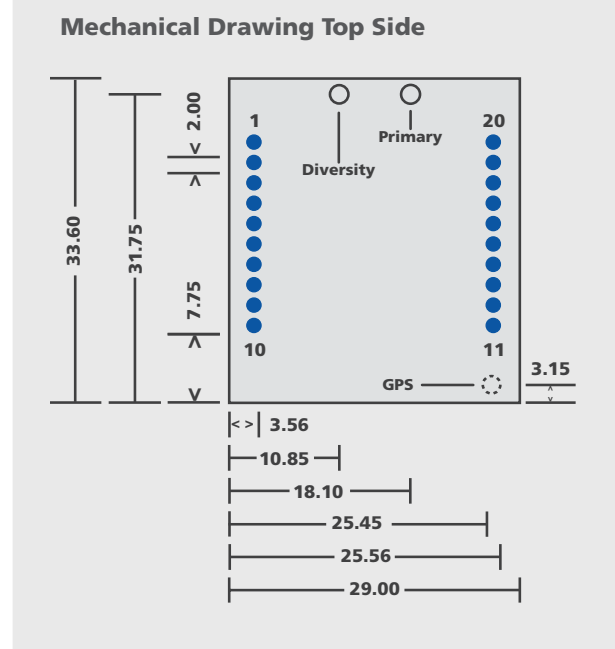
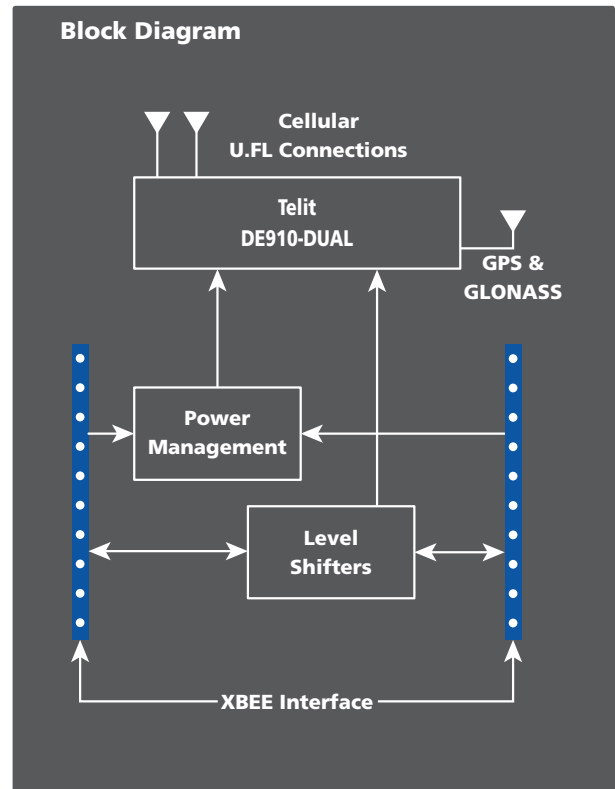
Module Features

- Industry Smallest
- 2 U.FL ports for Antenna Diversity
- 1 U.FL for GPS & GLONASS
- XBEE Form Factor
- Bundled Data Plans from Verizon

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 DE910-DUAL 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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