NimbeLink®
Smart. Simple. Cellular.

Skywire® Sensor Shield
Development Kit

Product Brief

Part Numbers	Description
NL-SWSK	Skywire Sensor Shield

The Skywire® Sensor Shield provides an affordable, flexible way to build connected prototypes using Arduino compatible development kits. For applications requiring cellular connectivity, the shield plugs into the development board and, in turn, accepts a plug-in NimbeLink Skywire end-device certified modem, providing quick cellular access. This first-in-the-industry plug-in cellular solution is easier and more compact than USB or other modem connection options, and the certified Skywire embedded modem eliminates the cost and complexity of obtaining carrier certifications.

The NimbeLink shield comes with four integrated MEMS sensors for easy proof-of-concept development. Sensors include:

- 3-axis accelerometer
- Temperature
- Atmospheric pressure
- Humidity

The kit also includes two push-buttons switches, a light sensor and potentiometer for easy interactive demonstrations. This kit provides an SSL secured, cellular connection from sensor to cloud. Your sensor data can be viewed on several web-based cloud services including device location based on cellular triangulation.

The kit is compatible with software from several vendors for an easy out-of-box, cellular solution.

The shield also provides standard Arduino headers. These accept any of hundreds of compatible expansion boards allowing the addition of capabilities like GPS, LCD displays, motor controllers, and more. The kit includes a 12v DC power supply and antenna.

Features

- Skywire interface
- Arduino compatible footprint
- Interactive sensors for easy demonstration
- SMA connector for easy antenna connection
- LEDs for visual feedback

Advantages

- mbed and C code for easy demonstrations of all sensors
- Barrel jack for easy power connection
- Pass through headers for adding other boards
- Power supply and antenna included

Contact a NimbeLink Sales Professional
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