

# Skywire Development Kit

Introducing the new and improved Skywire Development Kit 2! Building on the success of its predecessor, the SWDK2 features support for dual antennas via board mount SMA connectors and a flexible interface for Arduino, ST Nucleo, NXP FRDM and other development platforms. Two Grove sensor inputs have been added along with auto power-on for easy modem testing. With enhanced reference design files and Altium CAD files, the SWDK2 is the industry's fastest and easiest path for adding cellular connectivity to IoT product development.

Competing in today's fast-moving global markets takes smart, innovative products that are developed quickly. The patented Skywire modems combined with industry leading documentation, expert-level product support and the NL-SWDK2 are your easy path to success.

Developers can connect to the modem in any of three ways:

- Directly from PC to the modem's UART port, sending AT commands through PC terminal application
- From a microcontroller development kit that supports an Arduino shield interface
- Through the two modem breakout headers connected to the Skywire interface

## Features

- Skywire interface
- Two SMA connectors for easy antenna integration
- USB and serial connections
- Arduino shield interface
- 12V power supply, antenna, and USB cable provided

## Advantages

- Connect to any PC or development Kit
- Supports all Skywire modems (except the Skywire Nano)
- Application notes and example code
- Schematic and PCB design files for easy integration into your product



### Part Number

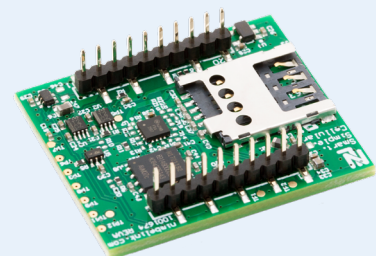
NL-SWDK2

### Description

Skywire development kit version 2 includes baseboard, antenna, power supply, AT&T SIM card, and debug cables

### About The Skywire Family

Skywire cellular modems are designed to make cellular integration fast and easy. Exceptionally small, pin-compatible, and end-device certified, Skywire modems enable developers to quickly and reliably connect IoT products to cellular networks around the world. Skywire modems are backed by industry leading documentation and expert-level product support.



## Technical Specifications (NL-SWDK2)

### Hardware

Form Factor	Skywire Interface, Arduino
Dimensions	78.1mm x 53.3mm x 23.1mm
Weight	32 grams

### Power

Supply Voltage	5-15V, 12V Nominal
I/O Voltage	1.8V to 5V

### Interfaces

Modem Interfaces	USB, Serial UART
Dev Kit Interfaces	Arduino, Grove, Skywire

### Approvals

Compliance	RoHS compliant
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### Temperature Range

Temperature	-40°C to +85°C
Humidity	20-90%, Non-Condensing

### Support and Warranty

1 Year standard warranty

## About NimbeLink

NimbeLink is the world's most trusted partner for cellular solutions for the Industrial Internet of Things (IIoT). The Skywire® series of cellular embedded modems, enable dramatic reduction in development and time-to-market. NimbeLink also develops and markets complete, highly configurable edge-to-enterprise Asset-Tracking Solutions.

**For more information, visit [NimbeLink.com](https://nimbelink.com)**

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