



NimbeLink Development Kit

Introducing the new and improved NimbeLink 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 NimbeLink 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 NimbeLink interface

FEATURES

- NimbeLink 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 NimbeLink modems (except the NimbeLink Nano)
- Application notes and example code
- Schematic and PCB design files for easy integration into your product

PART NUMBER

	DESCRIPTION
NL-SWDK2	NimbeLink development kit version 2 includes baseboard, antenna, power supply, AT&T SIM card, and debug cables

TECHNICAL SPECIFICATIONS

HARDWARE

Form Factor	NimbeLink 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, NimbeLink

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