ThingSpace IoT Development Kit

Prototype. Connect. Launch.

verizon

The ThingSpace IoT Development Kit with STMicroelectronics combines the hardware and software you need to get your next cellular IoT project off the ground. This development kit enables a wide diversity of applications by combining best in class processing, cloud capabilities, credited Verizon Open Development end-device certification, and an IoT developer plan.

The kit is powered by a board set, combining an ST STM32[1] Nucleo development board with a NimbeLink Skywire® development kit. The ST board includes an STM32L4-series MCU, external memory, and is expandable via Arduino Uno V3 connectors. The NimbeLink Skywire® development kit is made for low power IoT solutions and features a Cat M1 modem from Sequans. The small form-factor modem plugs into the Arduino connectors on the ST Nucleo board, for ease of use. In addition, a Cat M1 SIM card is bundled with instructions on simple activation through NimbeLink.

This kit also comes with the ability to connect your device to Verizon's ThingSpace Platform. ThingSpace is an IoT connectivity and device management solution for 3G, 4G, Cat M1, and NB-IoT devices that are certified on Verizon.

Parts

Part Number	Description	Resale
VZ-IOT-DEV-001	ThingSpace Cellular IoT Development Kit with ST	$230

ARROW ELECTRONICS, INC. NimbeLink Smart. Simple. Cellular. SEQUANS COMMUNICATIONS

[1] STM32 is a registered and/or unregistered trademark of STMicroelectronics International NV or its affiliates in the EU and/or elsewhere. In particular, STM32 is registered in the US Patent and Trademark Office.

What's included

- STMicroelectronics STM32 NUCLEO-L476RG
- Verizon Open Development certified NimbeLink Skywire® Cat M1 development board
- Single LTE Antenna supporting Bands 13 and 4
- 5V AC/DC/ USB power supply
- Cat M1 SIM with a Verizon profile
- Downloadable tutorials and documentation

Features

The STM32 NUCLEO-L476RG includes

- High-performance STM32L4-series microcontroller in LQFP64 package
- On-board ST-LINK/V2-1 debugger/programmer with USB reenumeration capability.
- 1 user LED shared with Arduino™, 1 user, and 1 reset push-button

The NimbeLink Skywire® includes

- Verizon Open Development Certified NimbeLink Skywire® Cat M1 Cellular Modem
- Arduino™ headers
- 2 SMA ports for cellular antenna flexibility

Target Applications

- Asset Tracking
- Factory Automation
- Smart City
- Smart Building
- Smart Agriculture

Verizon IoT Business Development

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