

Arduino MKR NB 1500

DFR0621

Product Overview

6/23/2022

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

DFRobot DFR0621 Arduino MKR NB 1500 is an IoT development board with wireless connectivity. This development board is based on the narrow band NB-IoT standard and features faster communication than the alternative IoT networks such as LoRa and Sogfox using the existing LTE cellular networks. The Arduino MKR NB 1500 board is powered by a Microchip Technology SAMD21 Cortex®-M0 32-bit low-power AEM MCU. This development board features the Arduino MKR footprint for compatibility with Arduino Uno, Mega, and existing MKR boards.



The Arduino MKR NB 1500 board offers a wide range of available interfaces, including I²S, I²C, UART, and SPI and operates at 3.3V. This board features ECC 508 crypto chip that effectively assures security in the communication process. Applications include field monitoring systems, intelligent parking, home and commercial intruder alarm, and fire alarm.

Features

- Microchip Technology SAMD 21 Cortex-M0+32bit low power ARM MCU
- U-Blox SARA-R410M-02B modem
- ECC 508 crypto security chip
- GSM UFL connector
- Micro SIM slot
- MKR compatibility
- Interfaces:
 - I²C
 - I²S
 - UART
 - SPI
- 3.3V operating voltage
- 67.64mm x 25mm dimensions
- 22x digital I/Os (12 PWM) outputs
- 7x analog input pins

Specifications

- Field monitoring systems
- Intelligent parking
- Home and commercial intruder alarm
- Fire alarm

Mouser Part Number(s)

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To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-dfr0621-dev-board/>, if available