

PRODUCT



SonicBoard LTE-M FBV-EVK-N9160

Product Category [SonicBoard](#)

Communication Standards [LTE](#)

Product Specification

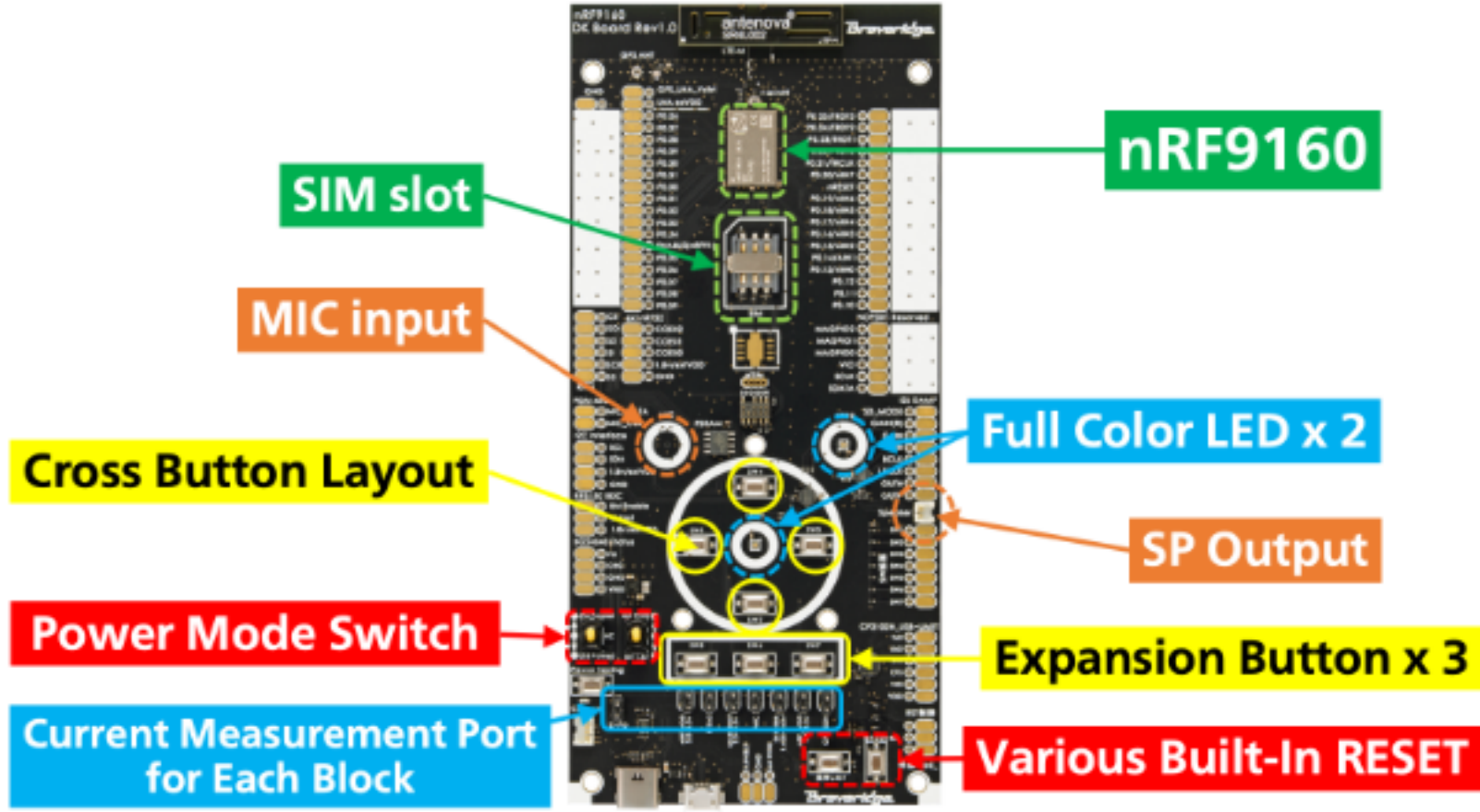


PRODUCT DESCRIPTION

Development board equipped compact, low-power cellular IoT module "nRF9160" manufactured by Nordic Semiconductor.

FEATURES

To optimize the most energy-efficient cellular IoT solution on the market, "nRF9160", all the abundant I/O ports are fully integrated on the board. Power option is either battery or DC power supply (AC adapter), but it also comes with a charging circuit. Current consumption of each circuit block can also be measured individually. It is a "complete" Development board with almost all peripherals incorporated: Li-Po secondary battery charge/discharge circuit, 8 switches, battery monitor, DCDC power supply, buttons, 2 full-color LEDs, various RESET circuits, and MIC/SP, etc.



SPECIFICATION

Installed module	Nordic Semiconductor's nRF9160 lower power SiP with integrated LTE-M/GPS
Frequency Band(LTE-M)	B1/B3/B8/B18/B19/B26/B28
Transmission Power (terminal output)	-40 to 23 dBm
LTE Antenna	Antenna integrated, external antenna can be used by connecting coaxial connector with switch
GPS Antenna	External antenna can be used by connecting coaxial connector with switch, LNA integrated
Power Supply	5V (USB Micro B and Type C) or supplied from external input terminal (iVDD_GPIO 1.8V to 3.3V, iVDD2 3.0 to 5.5V)
Jumper Pin	8 pin
Program Pin	9 pin connector for J-Link Lite Segger
Button	9 (7 general purpose buttons, 1 direct reset button, 1 long-press reset button)
LED	2 (full color)
SIM slot	nanoSIM (*SIM card is not included.)
Included Items	1 L-Link Lite Segger, 4 pan head screws, 4 steel spacers, 1 Micro USB cable, 8 jumper pins, 10 through hole test wires
Size	W 80.0mm x D 173.5mm x H 14.0mm
Certification	Telecommunications Business Law, Japan Radio Law

*For details, please see [the product specification](#).

*Product specifications are subject to change without notice.

ELECTRICAL DESIGN CAD DATA

CAD data in project file format that can be edited with the electronic CAD software "Quadcept".

Quadcept Project File

SCHEMATIC

PDF

QUOTATION

Click here to request a quote for this product.

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SEARCH

Keyword see

Product Category

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Module

SonicBoard

Communication Standards

Bluetooth® Low Energy

LTE / LTE-M

Sigfox

LoRa

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BraveGATE

IoT Platform

"BraveGate" is an IoT platform that facilitates control of IoT devices via a network and overwhelmin

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Reservoir Management Service

Braveridge Monitoring Service

A reasonable and easy-to-install IoT service "reservoir management system" that can remotely monitor

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BraveROUTE

LTE ROUTER

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