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INDUSTRIAL PRODUCT DATASHEET

Grove IoT Commercial Gateway Kit

A complete commercial gateway prototyping solution with Intel® NUC, Wind River® Linux, Azure IoT SDK, and Grove sensor suite.

SKU	UPDATED	PRICE
110060582	2024-08-09 01:54:25	$299.00(Excl. VAT)



Overview



The Grove IoT Commercial Gateway Kit combines an Intel® NUC Kit DE3815TYKE with Wind River® Linux to enable edge analytics, protocol translation, and seamless Azure cloud integration. It includes a Bluetooth-enabled Grove system with a variety of sensors and actuators for plug-and-play prototyping.

Key Features

Intel and Microsoft have partnered to create a kit for rapid prototyping commercial gateway scenarios. Using an Intel® NUC as the gateway hardware ensures that you have all the horsepower needed to connect new as well as legacy devices, perform edge analytics, translate protocols, and filter data. Use the Microsoft Azure IoT Gateway SDK to easily ingest data into the Microsoft Azure cloud once it's been processed on the gateway. All of this runs on Wind River, a hardened and industry-trusted IoT operating system.

NOTICE:

- This kit DOES NOT include Texas Instrument Sensor Tag. Please visit **this link** to purchase separately.
- This kit DOES NOT include the Arduino / Genuino 101. Please visit **this link** to purchase separately.

Features

- Azure IoT Gateway & Azure IoT device SDK supported
- Intel® NUC Kit DE3815TYKE
- Bluetooth-enabled
- Plug-N-play Grove system
- Runs on Wind River® Linux

INTEL® NUC Kit DE38157TYKE

This pint-sized package is a small device with big performance. It takes the capabilities of a complete desktop system and packs it all into a sleek 7.48" x 4.56" x 1.57" chassis. The kit features the Intel® Atom™ processor E3815 (512KB Cache, 1.46 GHz), which has a thermal design power (TDP) at only 5W. It has an internal support for 2.5-inch HDD or SSD · Built-in 4 GB eMMC device, while allowing an expansion up to 8GB of 1333/1600 MHz DDR3L memory via SO-DIMM slot · Half-length mini PCIe* slot. More features of the kit in the table below:

Part List

- 1x **Intel® NUC Kit DE3815TYKE with 4G Memory** and Bluetooth expansion card

Sensors:

- 1 x **Grove- Button**
- 1 x **Grove – Sound Sensor v1.2**
- 1 x **Grove – Touch Sensor**
- 1 x **Grove – Light Sensor v1.2**
- 1 x **Grove – Temperature Sensor v1.1**

- 1 x Grove – Rotary Angle Sensor(P)
- 1 x Grove – Piezo Vibration Sensor

Actuators:

- 1 x Grove – LCD RGB Backlight
- 1 x Grove – Buzzer
- 1 x Grove – Red LED
- 1 x Grove – Green LED
- 1 x Grove – Blue LED
- 1 x Gear Stepper Motor with Driver

Others:

- 1 x Grove Base Shield v2
- 14 x 26AWG Grove Cable
- 1 x B to A Type USB Cable – 0.5m

Product Gallery



Part List

Please refer to the description	1

Compliance & Logistics

HSCODE	9023009000

Resource Links

- https://www.seeedstudio.com/Grove-IoT-Commercial-Gateway-Kit-p-2724.html
- Get started with the Grove IoT Commercial Gateway Ki
- Azure IoT Gateway SDK Overview
- Azure IoT Gateway SDK Support
- Intel® IoT Gateway Technology

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com