



# Grove IoT Commercial Gateway Kit

SKU 110060582



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

## Description

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.

## KEY FEATURES

Azure IoT Gateway & Azure IoT device SDK supported  
Intel® NUC Kit DE3815TYKE  
Bluetooth-enabled  
Plug-N-play Grove system  
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### [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:

<b>Intel® NUC Kit DE3815TYKE</b>	
<b>Dimensions</b>	7.48" x 4.56" x 1.57"
<b>Processor</b>	Intel® Atom™ processor E3815 (512KB Cache, 1.46 GHz)
<b>Graphics</b>	Intel® HD Graphics (up to 400 MHz)
<b>Storage</b>	Internal support for 2.5-inch HDD or SSD · Built-in 4 GB eMMC device
<b>Expansion</b>	Up to 8 GB of 1333/1600 MHz DDR3L memory via SO-DIMM slot · Half-length mini PCIe* slot
<b>Wireless</b>	Intel® Dual Band Wireless-AC 7260 Plus Bluetooth, 802.11ac, 2x2, Bluetooth 4.0, PCIe, USB, HMC, Model: 7260HMW
<b>I/O</b>	USB 3.0 port · Five USB 2.0 ports (2 back, 3 internal) · HDMI* port · VGA port · Embedded Display Port · Headphone/microphone jack · Intel® Gigabit LAN
<b>Suggested Use Models</b>	Thin client · Digital signage · Attach to back of monitor (All-in-One)

# PACKING 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**