



## Grove IoT Commercial Developer Kit

SKU 110060462


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[Description](#)
[Best-sellers](#)
[Technical Details](#)
[Questions and Answers](#)
[View History](#)

### Description

The Grove IoT Commercial Developer Kit is produced by Seeed for Internet of Things (IoT) developers. The kit includes the Intel® NUC Kit DE3815TYKE, pre-installed with the Intel® IoT Gateway Software Suite. This Linux based Commercial OS system is designed to better help developers prototype, develop and deploy a use case. This kit includes a wide range of Grove sensors which works with the [Arduino\(USA Only\)/Genuino 101\(outside of US\)](#).

**NOTICE: This kit DOES NOT include the Arduino / Genuino 101. Please visit [here](#) to purchase separately.**

#### [Intel® NUC Kit DE3815TYKE](#)

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:

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

### The Grove modules

The kit provides an Arduino compatible Grove Base shield and a variety of Grove modules that cover a wide range of applications: The Grove - Piezo Vibration Sensor for motion detection, the Grove - Temperature Sensor\_V1.1 for temperature measurement and the Grove - Sound Sensor\_V1.2 for voice sensing etc. With the pre-installed Intel® IoT Gateway Software Suite in the Intel® NUC Kit DE3815TYKE, you can quickly set up your IoT project for deployment.

### Features

- Built-in Intel® IoT Gateway Software Suite in Intel® NUC Kit DE3815TYKE
- Grove sensors and actuators for rapid prototyping · Plug-N-play Grove system
- Easy-to-use base shield for Arduino/Genuino 101

### Part List

## 1x Intel® NUC Kit DE3815TYKE with 4G Memory

### 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:

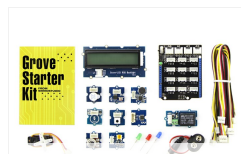
- 1 x [Grove Base Shield v2](#)
- 14 x [26AWG Grove Cable](#)
- 1 x B to A Type USB Cable – 0.5m

### Documents

For technical discussion, please come to our [Forum](#).

For projects that you would like to share with the community, please visit [Recipe](#).

### Best-sellers



Grove - Starter Kit for Ardu...



LinkIt Smart 7688 Duo



NodeMCU v2 - Lua based E...



Seed Studio BeagleBone ...

### Technical Details

Weight	G.W 1800g
Battery	Exclude

### Documents

- [Wiki](#)

### Questions and Answers

Have a question about this? Ask people who own it.



### View History



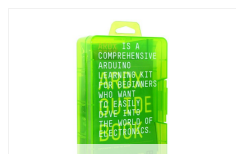
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Seeeduino Mega Protoshi...



Wireless Sensor Node - Sol...



ARDX - The starter kit for ...

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