



Grove IoT Commercial Developer Kit

SKU 110060462



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, which is a pint-sized desktop computer that allows you to work, play, create, entertain and inspire in any room. Most importantly the Intel® NUC Kit has been pre-installed with an IoT Development System - a system that is designed by Intel to better helping the developers realize their IoT ideas. It has fully support to a bunch of well-chosen Grove modules, which are included in this developer kit and can be perfectly applied to the Arduino 101 IoT development board to build any IoT projects you want.

NOTICE: This kit **DOES NOT** include the Arduino 101.

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 so you won't even feel the heat. It has an internal support for 2.5-inch HDD or SSD · Built-in 4 GB eMMC deive, while allows 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 can be found 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 bunch of rich-featured Grove modules that covers 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 IoT Development System in the Intel® NUC Kit DE3815TYKE, you can set up your IoT project and turn your idea into real thing easily and quickly.

KEY FEATURES

- Built-in IoT Development System in Intel® NUC Kit DE3815TYKE for Grove modules
- Plug-N-play Grove system
- Easy-to-use base shield for Arduino/Genuino 101
- Various well-chosen Grove sensors and actuators for rapid prototyping

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**