Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

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**