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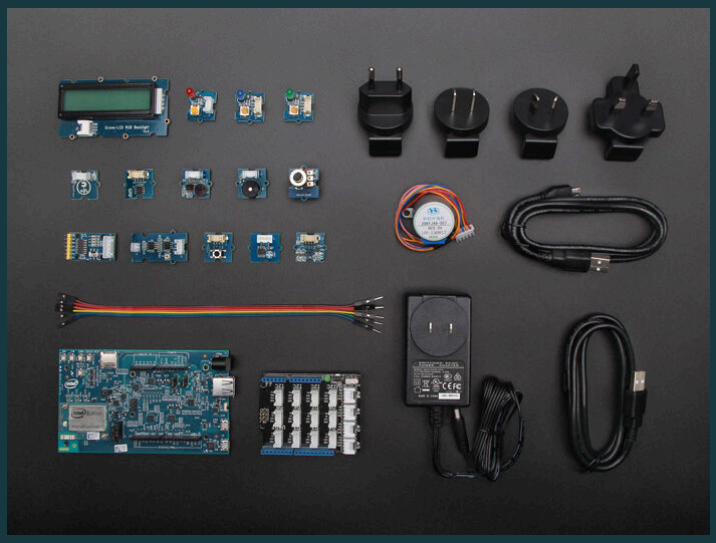
INDUSTRIAL PRODUCT DATASHEET

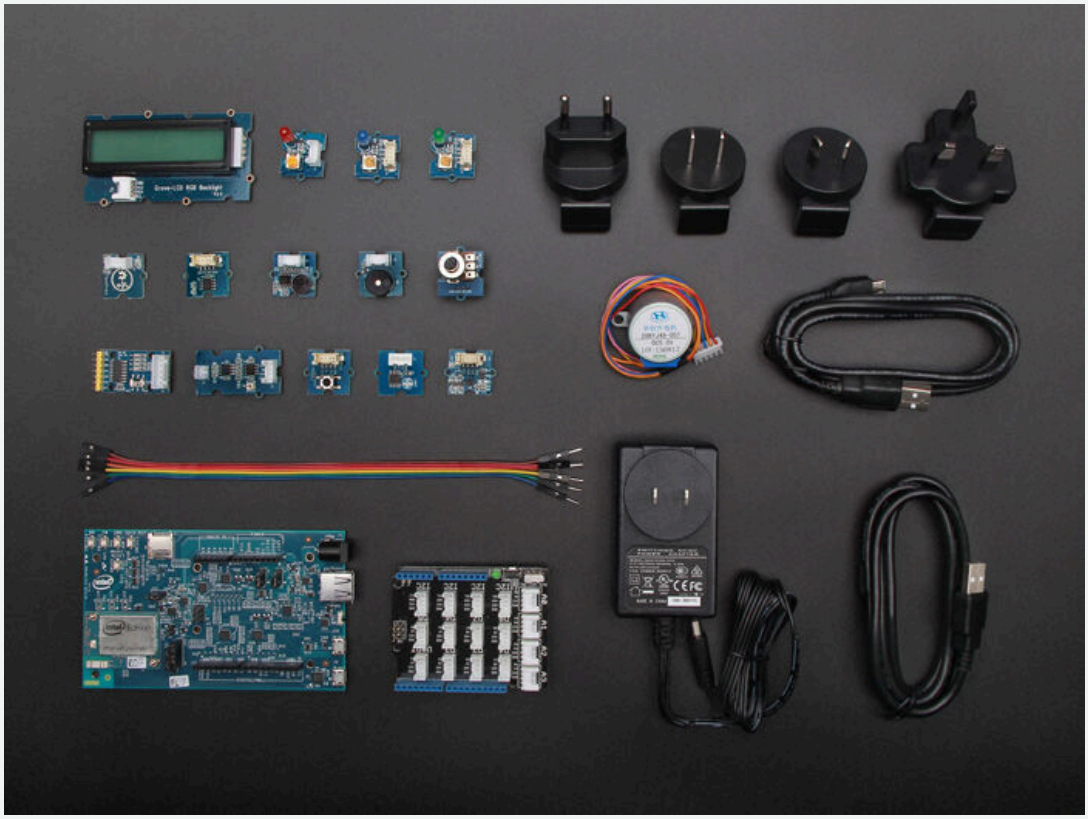
Grove IoT Developer Kit - Microsoft Azure Edition

Azure-certified IoT prototyping kit with Intel® Edison, Arduino compatibility, and plug-and-play Grove modules.

SKU	UPDATED	PRICE
110060422	2024-08-09 01:54:45	$174.90(Excl. VAT)



Overview



The Grove IoT Developer Kit - Microsoft Azure Edition integrates an Intel® Edison compute module with Arduino expansion and a collection of Grove sensors and actuators for rapid plug-and-play prototyping. It is part of the Microsoft Azure IoT ecosystem, providing seamless device-to-cloud connectivity and analytics.

Key Features

Grove IoT Developer Kit - Microsoft Azure Edition contains an Intel® Edison module, an Intel® Edison for Arduino board, a Grove Base Shield, a set of Grove sensors and actuators with build-in Grove ports for rapid prototyping. Simply plug in the modules and you are ready to create. Part of Microsoft Azure IoT ecosystem.

About Intel® Edison For Arduino

The Intel® Edison compute module is designed for expert makers, entrepreneurs, and some industrial IoT applications, it provides ease-of-development for a range of prototyping projects or commercial ventures when performance matters. With an expansion board interfaces with a wide range of Arduino shields, Intel® Edison for Arduino allows quick and easy prototyping with open source hardware and a software development environment.

Features

Intel® Edison module:

- Uses a 22nm Intel® SoC that includes a dual core, dual threaded Intel® Atom™ CPU at 500MHz and a 32-bit Intel® Quark™ microcontroller at 100 MHz. It supports 40 GPIOs and includes 1GB LPDDR3, 4 GB EMMC, and dual-band WiFi and BTLE on a module slightly larger than a postage stamp.
- The Intel Edison module will initially support development with Arduino and C/C++, followed by Node.JS, Python, RTOS, and Visual Programming support in the near future.
- It includes a device-to-device and device-to-cloud connectivity framework to enable cross-device communication and a cloud-based, multi-tenant, time-series analytics service.
- Has an SD card connector, micro USB or standard sized USB host Type-A connector(via mechanical switch), Micro USB device, 6 analog inputs, and 20 ditial input/output pins, 1x UART, 1x I2C, and 1x ICSP 6-pin header (SPI) Power jack with 7V-15V DC input.

Related Products

- Intel® Edison Module
- Intel® Edison Breakout kit
- Intel® Gelileo
- Intel® Gelieo Gen 2
- USB Console Adapter for Intel Galileo
- Grove starter kit plus - Intel IoT Edition for Intel Galileo Gen
- Grove starter kit plus - Intel IoT Edition for Intel Galileo Gen 1
- Galileo Case

Product Gallery





Part List

Intel® Edison module	1
Intel® Edison for Arduino	1
Grove Base Shield V2	1
Grove - Button	1
Grove - Sound Sensor	1
Grove - 3-Axis Digital Accelerometer(±1.5g)	1
Grove - Touch Sensor	1
Grove - Light Sensor	1
Grove - Temperature Sensor	1
Grove - LCD RGB Backlight	1
Grove - Rotary Angle Sensor(P)	1
Grove - Pieze Vibration Sensor	1
Grove - Buzzer	1
Grove - Green LED	1
Grove - Blue LED	1
Grove - Red LED	1
Stepper Motor Driver	1
Stepper Motor	1

Resource Links

- https://www.seeedstudio.com/Grove-IoT-Developer-Kit-Microsoft-Azure-Edition-p-2631.html
- Edison Getting Started Guide
- Intel Edison Software & Documentation

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