Grove Starter Kit for LinkIt ONE

User Manual

Release date： 2015/9/22

Version： 1.0

Wiki: http://www.seeedstudio.com/wiki/Grove_-_Starter_Kit_for_LinkIt_ONE

Bazaar: http://www.seeedstudio.com/depot/Grove-Starter-Kit-for-LinkIt-ONE-p-2028.html?cPath=84_13

Document Revision History

Revision	Date	Author	Description
1.0	Sep 22, 2015	Loovee	Create file

Contents

Document Revision History 2
1. Introduction 2
2. Features 3
3. Specification 4
4. Application ideas 5
5. Hardware Overview 6
6. Get started 8
7. Resources 9

Disclaimer

For physical injuries and possessions loss caused by those reasons which are not related to product quality, such as operating without following manual guide, natural disasters or force majeure, we take no responsibility for that.

Under the supervision of Seeed Technology Inc., this manual has been compiled and published which covered the latest product description and specification. The content of this manual is subject to change without notice.

Copyright

The design of this product (including software) and its accessories is under tutelage of laws. Any action to violate relevant right of our product will be penalized through law. Please consciously observe relevant local laws in the use of this product.

1. Introduction

Grove - Starter Kit for LinkIt ONE is a toolkit for building your applications quicker and easier with LinkIt ONE development platform. With this kit, you can concentrate just on design process for your projects which will save you lots for time or expenses. It consist of the most popular modules for build IoT (Internet of Things) applications such as Base Shield.



2. Features

- Minimize efforts for your applications on LinkIt ONE platform.
- Make building process of your projects easier.
- Cut down your expense by including typical and popular modules.

3. Specification

Please refer to each modules' specifications:

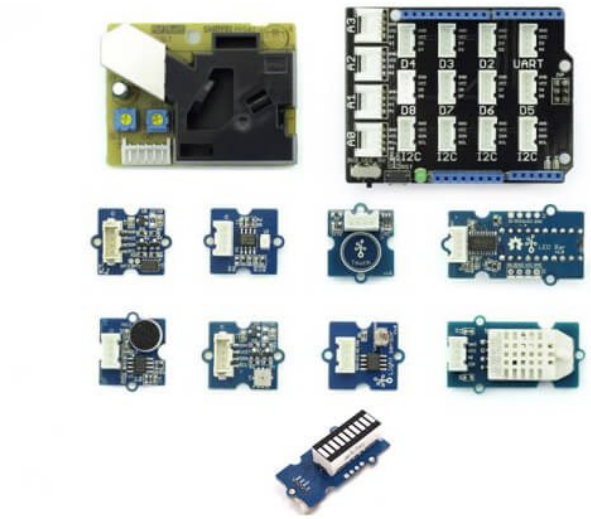
- Grove - Dust Sensor
- Grove - Temperature and Humidity Sensor Pro
- Grove - Sound Sensor
- Grove - UV Sensor
- Grove - Barometer Sensor
- Grove - Light Sensor
- Grove - 3-Axis Digital Accelerometer(±16g)
- Grove - LED Bar
- Grove - Servo
- Grove - Touch Sensor
- Grove - Base shield v2

4. Application ideas

You can build secret box and other funny applications.

Note that the ideas listed in this section is only some clues to this kit's massive applications.

5. Hardware Overview



Grove Touch Sensor

This "button" can sense the touch of your fingers.

Grove Sound Sensor

This is a sensor to evaluate the intensity of sound.

Grove Light Sensor

This is a sensor that detects the change of light.

Grove Servo

This is an actuator whose position can be precisely controlled.

Grove Dust Sensor

This sensor can measure air quality.

Grove Temperature & Humidity Sensor Pro

It has more complete and accurate performance than the basic version. The detecting range of this sensor is 5% RH - 99% RH, and -40° C - 80° C.

Grove UV Sensor

This sensor is used for detecting the intensity of incident ultraviolet (UV) radiation.

Grove Barometer

This sensor can is used for detecting the atmospheric pressure and temperature.

Grove 3-Axis Digital Accelerometer (±16g)

This is a high resolution digital accelerometer providing you at max 3.9mg/LSB resolution and large

±16g measurement range.

Grove Led Bar

Grove LED Bar is comprised of a 10 segment LED, you can use it as an indicator.

Grove Base Shield

Base Shield is an interface between Arduino and Grove modules. There are 16 Grove sockets on the base shield, whichcan be divided into three deferent functional areas: digital ports (8), analog ports (4), and I2C ports (4).

6. Get started

Note that this section only shows you how to build basic development environment.

Guide on build basic development environment for LinkIt ONE.

7. Resources

- Manual for Grove Starter Kit for LinkIt ONE

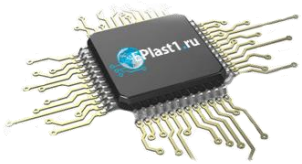
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)
Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.