

LinkIt[®] ONE

⚠ USB UART port of Serial

Li-Battery (3.7~4.2V) Micro USB Headphone Jack (with Mic)

GND
POWER
CONTROL
DIGITAL PIN
ANALOG-IN PIN
PWM PIN
SERIAL PIN
MT2502A PIN

⚠ Pay Attention

Mass Storage Bootup

Normal Bootup

USB Power Source

Li-Battery Power Source

Reset

microSD/SIM Combo

SPI

SD Card

⚠

SPI and SD Card are exclusive features

IOREF

RESET

3V3

5V

GND

GND

NC

NC

ADC0

ADC1

ADC2

GPIO0

GPIO1

GPIO2

NC

GPIO44

GPIO43

SDA

SCL

D18

D19

NC

SCK

MISO

MOSI

GND

NC

GSM Antenna Port

Wi-Fi+BT Antenna Port

Grove

GPS Antenna Port

Grove

GND

5V

TX

RX

GND

5V

SDA

SCL

GPIO43

GPIO44

NC

GND

GPIO27

GPIO29

GPIO28

GPIO26

GPIO19

GPIO48

GPIO50

GPIO25

GPIO3

GPIO40

GPIO13

GPIO46

GPIO11

GPIO10

D19

D18

SCL

SDA

SCK

MISO

MOSI

LED

PWM

⚠ PWM Frequency
1.6KHz (13bit)
50.8KHz (8bit)
800KHz (4bit)

EINT

EINT

TX

RX

LED

LED

⚠ TX/RX port of Serial1

MCU	ARM7 EJ-S™ 260MHz
GSM	850/900/1800/1900MHz
GPRS	Class 12
Bluetooth	BR/EDR/BLE (Dual Mode)
Wi-Fi	802.11 b/g/n
GPS	GPS/GLONASS/BEIDOU
SD Card	32GB (Class 10)
Audio Codec	MP3/AAC/WAV/AMR

⚠ All digital pins operate under 3.3v with low driving current ability (for signal usage)