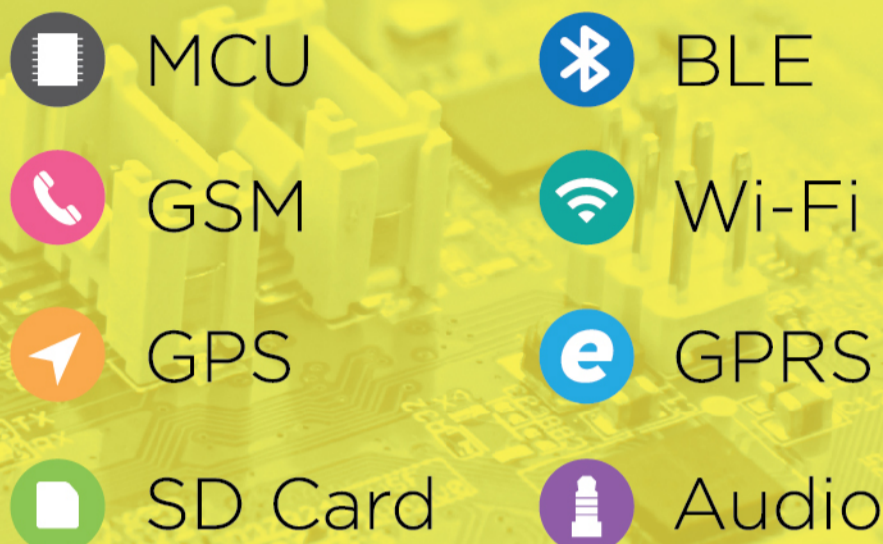


# LinkIt™ ONE

## The Ultimate Developer Board for Wearables and IoT

### All-in-One Features



- High-Performance: 32-bit ARM7EJ-S™ RISC feature-rich processor, equipped with Wi-Fi, BLE, GPS, GSM, FM, SD Card connector and lithium battery power management etc.
- Abundant Resource: MediaTek LinkIt SDK (for Arduino) enables development of Sketches in Arduino IDE using the LinkIt APIs, Open source LinkIt Hardware Board Reference Design (schematic and datasheet)
- High-Compatibility: Pin-out similar to Arduino UNO, including Digital I/O, Analog Input, PWM, I2C, SPI, UART, Li-Battery power supply and Grove 4-Pin Standard Interfaces.
- Prototyping Services: provide a path from your great concept to production to distribution with our abundant components&kits and prototyping services
- Strong Extensibility: provided various interfaces for connecting to most sensors, peripherals, Arduino shields, and Groves

# \$79

### • SPECIFICATION •

Category	Feature	Spec
Microcontroller	Chipset	MT2502A (Aster)
	Core	ARM7 EJ-S™
	Clock Speed	260MHz
PCB Size	Dimensions	3.3 x 2.1 inches
Memory	Flash	16MB
	RAM	4MB
Power	Battery Jack	3.7~4.2V Li-battery
	DC Current Per I/O Pin	0.3~3mA
Digital IO Pins	Pin Count	16 (D0~D13, SDA, SCL)
	Voltage	3.3v
Analog Input Pins	Pin Count	4 (A0, A1, A2)
	Voltage	0~5V
PWM Output Pins	Pin Count	2 (D3 and D9)
	Voltage	3.3v
	Max Resolution	13bit
	Frequency (Resolution)	1.6KHz (13bit) 50.8KHz (8bit) 800KHz (4bit) (customizable)
External Interrupts	Pin Count	2 (D2 and D3)
I2C (master only)	Set Count	1 (SDA, SCL)
SPI (master only)	Speed	100Kbps, 400Kbps, 3.4Mbps
	Set Count	1 (MOSI, MISO, SCK, SS)
UART	Speed	104Kbps~26Mbps
	Set Count	1 (TX/RX)
UART on USB	Voltage	3.3v
	Set Count	1
Communications	GSM	850/900/1800/1900MHz
	GPRS	Class 12
	Bluetooth	BR/EDR/BLE (Dual Mode)
	Wi-Fi (MT5931)	802.11 b/g/n
Positioning	GPS (MT3332)	GPS/GLONASS/BEIDOU
	Flash	10MB
User Storage	SD Card	Up to 32GB (Class 10)
Executable Size	RAM (Code+RO+RW+ZI+Heap)	2MB

### RELATED PROCLUCTS

#### Sidekick Basic Kit for LinkIt ONE

A range of components including LEDs, capacitors, resistors, a buzzer, servo and more to get your prototype underway.



# \$ 29.90

#### Grove - Starter Kit for LinkIt ONE

A range of sensors including UV, dust, temperature, barometer, accelerometer and more so your project can sense the world around it.

# \$ 69.90



# Grove for LinkIt

# ONE

[www.seeedstudio.com/linkitone](http://www.seeedstudio.com/linkitone)

