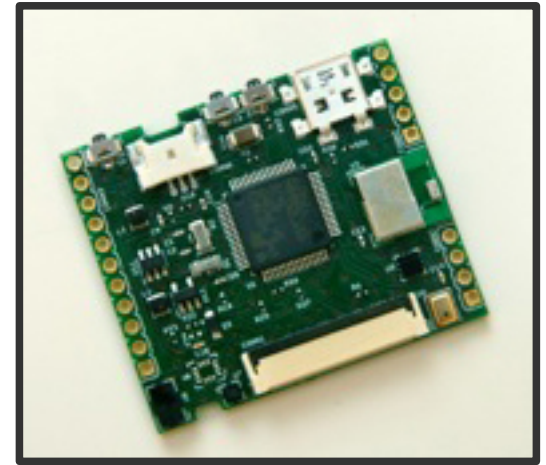


# Hardware



**Rechargeable battery**  
LiPo, 500mA.h

**Linear Tech. LTC3553**  
Power Management  
& USB Charging

**Adesto AT45DB641E**  
64Mbit Data Flash

**Switches & LEDs**  
Incl. 2 user def'd push buttons  
1x user controlled LED

**Optional Header Pins**  
For extension (I2C/ SPI/  
UART/ GPIO/ IRQ/ Analog)

**Densitron**  
**DD-160128FC-1A**  
160x128, full color  
OLED display

**STM32-L4**  
(STM32-L1 in first proto)  
32-bit micro-controller

**Panasonic PAN1740**  
BlueTooth Low-Energy  
Module

**ST VL6180X**  
Ambient Light Sensor  
Proximity/Distance Sensor

**ST LSM6DS3**  
3-axis accelerometer  
3-axis gyroscope

**ST LIS3MDL**  
3-axis magnetometer

**ST SLPS25H**  
Atmospheric Pressure  
( and Altitude) Sensor

**Knowles**  
**SPU0414HR5H-SB**  
Microphone  
(as ambient sound sensor)

# Major Connections

