

# B-L475E-IOT01A

Processor	STM32L4VGT6
Flash	1Mbyte
SRAM	128kbytes
Quad-SPI (macronix) Flash	64Mbit
Peripherals	<p>Less interesting</p> <p>Bluetooth module (SPBTLE-RF)</p> <p>RF Module (868-915Mhz) (SPSGRF-868)</p> <p>Wifi module (ISM43362-M3G-L44)</p> <p>NFC antenna</p> <p>More interesting</p> <p>2 Omnidirectional microphones (MP34DT01)</p> <p>Capacitive humidity and temperature sensor (HTS221)</p> <p>3-axis magnetometer(LIS3MDL)</p> <p>3d accelerometer and gyroscope (LSM6DSL)</p> <p>Time-of-flight gesture sensor (VL53L0X)</p>
ADC	<p>3 successive approximation ADCs with 12 bit resolution and builtin calibration</p> <p>5.33Mps</p> <p>16 channels with some channels shared between the ADCs</p> <p>5 internal channels for measuring the DACs, temperature and battery</p> <p>Single and differential input modes</p> <p>Low power mode</p> <p>DMA controller support</p> <p>Multiple trigger inputs</p> <p>Dual mode operation (simultaneous or interleaved sampling)</p>
Board Cost	\$51.95 (qty = 1)
Processor cost	<p>From ST</p> <p>\$13.94 (qty = 1-9)</p> <p>\$9.98 (qty = 250-500)</p>
Availability	<p>No stock from</p> <p>Newark</p> <p>Avnet</p> <p>Mouser</p> <p>Digikey</p> <p>Farnell</p> <p>Ellement14</p> <p>Claim to have stock but are less reputable and known to often lie about availability</p> <p>Win Source Electronics</p>

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