

Wireless Internet Of Things (WIOT) Board by ubld.it

<http://WIOT.org>

Specifications

Microcontroller	ATmega32u4
Operating Voltage	3.3V
Input Voltage (recommended)	5V
Input Voltage (limits)	4.5V to 6V
Battery	Lithium Ion Cell (18650 holder supplied)
Battery Capacity (3100mAH 18650)	11.5W/h
Battery Charge Current	500mA
Operating Power Consumption	250mW (8 MHz Operation w/ WiFi Receive)*
WiFi Transmit Power Consumption	990mW (Maximum)*
Sleep Power Consumption	<1mW*
Battery Life (5% Xmit/No Sleep)	~40 Hours*
Battery Life (5% Xmit/90% Sleep)	> 2 Weeks*
Digital I/O Pins	9
PWM Channels	5
Analog Input Channels	6
ESP8266 (ESP-01) Connector	1
Flash Memory	32 KB (ATmega32u4)
SRAM	2.5 KB (ATmega32u4)
EEPROM	1 KB (ATmega32u4)
Clock Speed	8 MHz
Length	3.82"
Width	1.02"

Arduino Compatible

* Power consumption and battery life is highly dependent on choice of battery, CPU load, peripheral load, WiFi transmit/receive ratio, sleep time, etc.