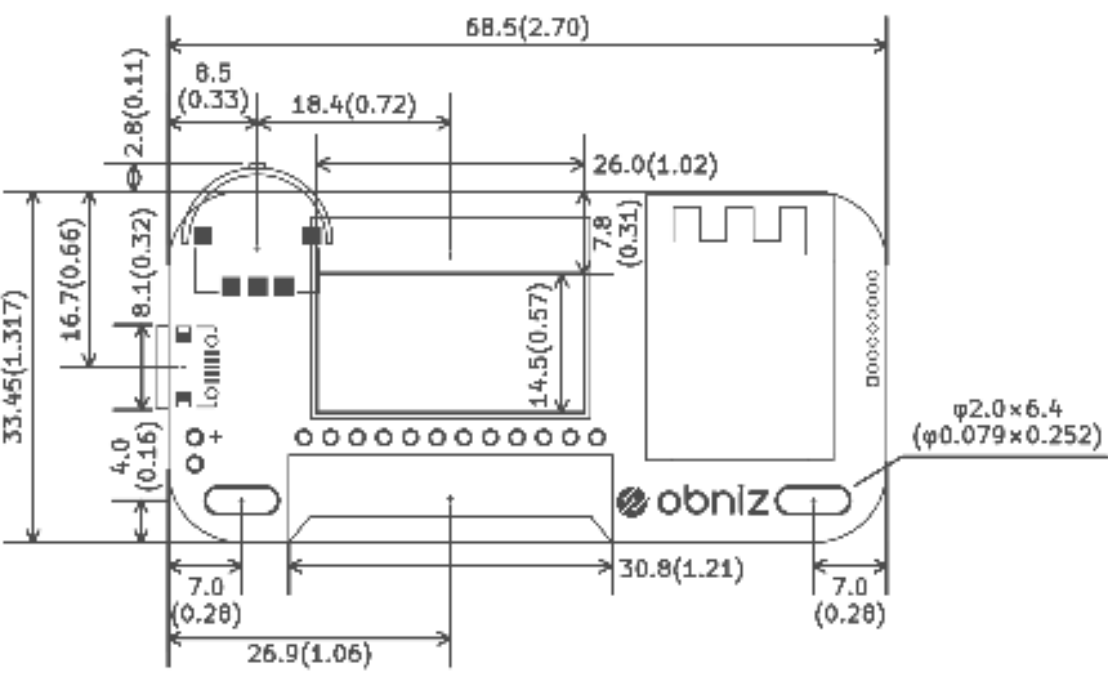


Hardware spec

Type	Value
Size	74.5*36.3 mm.including usb and switch
Mounting Hole	M2*2
Wi-Fi	802.11 b/g/n (2.4 GHz), up to 150 Mbps
Bluetooth	Compliant with Bluetooth v4.2 BR/EDR and BLE specification
Certifications	MIC, FCC, IC by ESP-WROOM-32
Operation Voltage	5V(microUSB or J1 pin)
Operation Current	Ave 170mA (Wi-Fi connected, BLE standing by, no parts connected, OLED displayed)
Maximum supply via microUSB	1.8A (If you need more. Please consider using J1 pin.)
Main Processor	ESP32
Sub Processor	PIC16F1
Num of MotorDriver IC	6 (DRV8839)
IO num	12
IO output	5V push-pull max 1A 3.3V push-pull 5V/3.3v open-drain pull-up(3.3v/5v) pull-down
Peripherals	GPIO 12 A/D 12 PWM 6 assignable to everyIO UART 2 assignable to everyIO SPI 2 assignable to everyIO I2C 1 assignable to everyIO
OLED	White dot 128*64
Recommended Storage Temperature	-30 to 80 degrees Celsius
Recommended Operation Temperature	0 to 70 degrees Celsius
OTA	YES
Soldering	Pb free

Dimension



Unit: mm(in)