

AXELEROMETER
X,Y,Z 0-16G 12bit

ADXL345

SPI

ADXL345

SPI

PHASE A
PHASE B
PHASE C

-1.2V ... + 1.2V

VOLTAGE A
VOLTAGE B
VOLTAGE C

-1.2V ... + 1.2V

AC ANALOG INPUT

AIN 0 (TEMP 0)
AIN 1 (TEMP 1)
AIN 2 (TEMP 2)
AIN 3 (TEMP 3)

-55 ... +150°C

AIN 4
AIN 5
AIN 6

0-3V

DC ANALOG INPUT

INDUCTIVE
SPEED METER 0

INDUCTIVE
SPEED METER 1

MICROPHONE 0

MICROPHONE 1

MICROPHONE 2

EXT PWR
9-24V

BATTARY

32.768kHz
XTAL

ONBOARD LED

LED
LED
LED
LED

MCU
STM32F407VGT6

WiFi
ESP8266-12E

Bluetooth

EEPROM
24FC64
64kbit

RS-485

I2C
Optional
Port extender
OLED display

DISCRETE
DIGITAL OUTPUT

DOUT 0
DOUT 0
DOUT 0
DOUT 0
DOUT 0
DOUT 0
DOUT 0

DISCRETE
DIGITAL INPUT

DIN 0
DIN 1
DIN 2
DIN 3
DIN 4
DIN 5
DIN 6