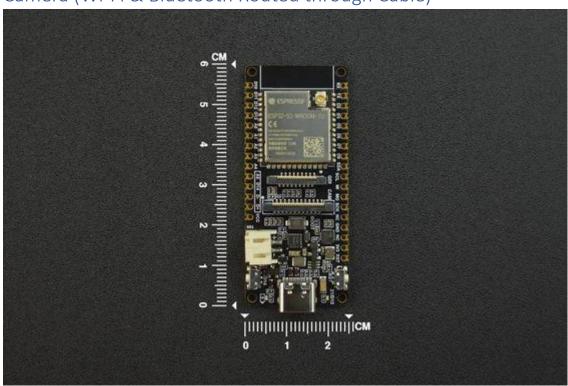
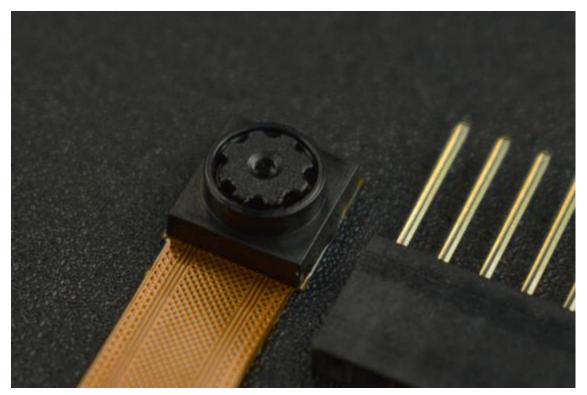
Hardware analyse

FireBeetle 2 Board ESP32-S3-U (N16R8) AloT Microcontroller with Camera (Wi-Fi & Bluetooth Routed through Cable)





SPECIFICATION

Basic Parameters

Operating Voltage: 3.3V

• Type-C Input Voltage: 5V DC

• VCC Input Voltage: 5V DC

• Max Charging Current: 1A

• Operating Temperature: -20 to 70℃

• Dimension: 25.4x60mm/1x2.36"

WIFI

• WIFI Protocol: IEEE 802.11b/g/n

• Bandwidth: Support 20 MHz and 40 MHz at 2.4 GHz band

• WIFI Mode: Station, SoftAP, SoftAP+Station combined mode

• WIFI Frequency: 2.4GHz

• Frame Aggregation: TX/RX A-MPDU, TX/RX A-MSDU

Ports

• Digital I/O x26

• LED PWM Controller 8 Channels

• SPI x2

• UART x3

• I2C x2

• 12S x2

• IR Transceiver: transmit channel x5, receive channel x5

• 2×12-bit SAR ADC, 20 Channels

• DMA Controller: transmit channel x5, receive channel x5

Bron: https://www.dfrobot.com/product-2676.html

Waterproof DS18B20 Digital Temperature Sensor for Arduino

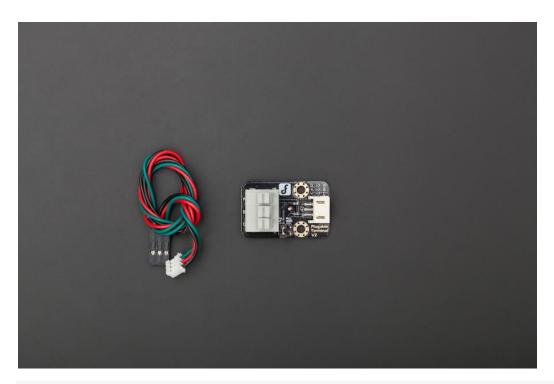


SPECIFICATION

- Usable with 3.0V to 5.5V power/data
- ±0.5°C Accuracy from -10°C to +85°C
- Usable temperature range: -55 to 125°C (-67°F to +257°F)
- 3 wires interface:
 - Type A
 - Red wire VCC
 - Black wire GND
 - Yellow wire DATA
- Stainless steel tube 6mm diameter by 35mm long
- Cable diameter: 4mm (0.16)
- Length: 95cm (37.4")

Bron: https://www.dfrobot.com/product-689.html

Gravity: Terminal Sensor Adapter V2.0



SPECIFICATION

- Voltage: +5 V
- Current: <1000mA
- Size: 22x34mm (0.87x1.3 in)
- Red wire VCC
- Black wire GND
- Green wire DATA

Bron: https://www.dfrobot.com/product-203.html

Raspberry Pi Zero W



SPECIFICATION

- 802.11 b/g/n wireless LAN
- Bluetooth 4.1
- Bluetooth Low Energy (BLE)
- 1GHz, single-core CPU

- 512MB RAM
- Mini HDMI® port and micro USB On-The-Go (OTG) port
- Micro USB power
- HAT-compatible 40-pin header
- Composite video and reset headers
- CSI camera connector

Bron: https://www.raspberrypi.com/products/raspberry-pi-zero-w/

Kingston microSDXC-geheugenkaart »Canvas Select Plus- 32GB



PRODUCTEIGENSCHAPPEN

- Opslagcapaciteit 32 GB
- max. leessnelheid 100 MB/s
- uitwisbaar zo vaak als nodig / wisbaar Ja
- Bijzonderheden stootvast, watervast, bestand tegen vibraties, bestand tegen röntgenstraling, temperatuurbestendig
 - Breedte 11 mm
 - Diepte 15 mm
 - Hoogte 1 mm

Bron: <a href="https://www.otto-office.com/bn/Kingston-microSDXC-geheugenkaart-Canvas-Select-Plus---32GB/323256/p?pshoptype=b2c&pid=GSB17-NL-SU5UmWAAAAA-55-205502-323256&gclid=Cj0KCQjwsp6pBhCfARIsAD3GZuYipAHwPDa3P7wPCu0UhcQL9kP7YrsIFfXixLPuHVa5q2SLnNqz1RwaAlLjEALwwcB#{%22refscroll%22:%22Produkteigenschaften%22}