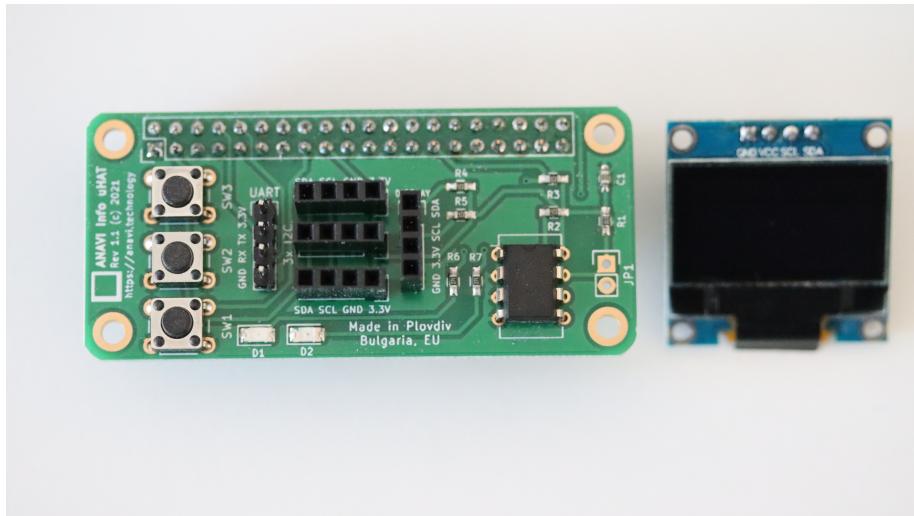


ANAVI Info uHAT

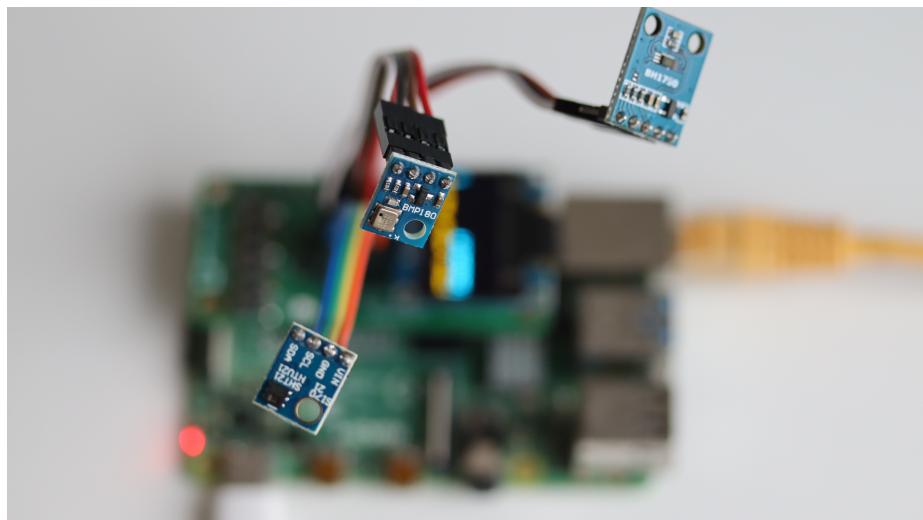
DATASHEET



ANAVI Info uHAT is a low-cost, open source Raspberry Pi add-on board with mini OLED display, 3 buttons, red and green indication LEDs as well as slots for various sensors. Each kit includes 0.96" yellow-blue I²C OLED display with resolution of 128x64 individual white OLED pixels. This is a low power consumption display that makes its own light and therefore no additional backlight is required. Additional slots allow attaching various I²C sensors for temperature, humidity, light and barometric pressure as well as a UART pins for easy serial communication. ANAVI Info uHAT follows the official Raspberry Pi uHAT mechanical specification with a valid ID EEPROM.



Features & Specifications



- Replaceable 0.96" yellow-blue I²C OLED display
- Slots for up to 3 plug-and-play I²C sensors
- UART pins for serial communication
- Green and red indication LEDs
- 3 buttons
- Follows uHAT mechanical specification with a valid ID EEPROM
- Excellent software support, documentation, and open source examples

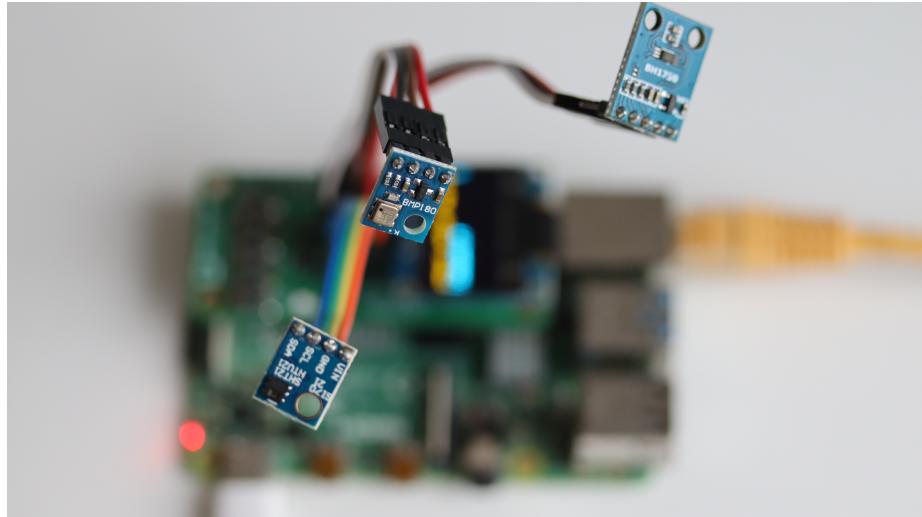


ANAVI Info uHAT follows Raspberry Pi Foundation HAT and uHAT design guides and requirements. ANAVI Info uHAT dimensions are 65x30mm with 3mm radius corners and 4 M2.5 mounting holes.

ANAVI Info uHAT is made in Plovdiv, Bulgaria, EU by ANAVI Technology Ltd.

Compatibility:

ANAVI Info uHAT works with any Raspberry Pi single board computer model and version with 40-pin header, including Raspberry Pi 4 and Raspberry Pi 0 W.



ANAVI Info uHAT officially supports the following sensor modules and peripherals:

- Mini 0.96" OLED I2C display
- HTU21D sensor for temperature and humidity
- BH1750 sensor for light
- BMP180 sensor for barometric pressure

You may also attach any other I2C devices and sensors, but you will have to take care of their software integration.

Kit Configurations

ANAVI Info uHAT is available in three do-it-yourself kits.

ANAVI Info uHAT Starter Kit (CS-ANAVI-INFO-1)



The perfect kit to get started. Includes one ANAVI Info uHAT (1) and one mini 0.96" OLED I2C display, yellow-blue (1).

ANAVI Info uHAT Advanced Kit (CS-ANAVI-INFO-2)



Take your project to the next level. Includes one ANAVI Info uHAT (1), one mini 0.96" OLED I2C display, yellow-blue (1), one temperature and humidity sensor (1) and one light sensor (1).

ANAVI Info uHAT Developer Kit (CS-ANAVI-INFO-3)



Everything a developer needs! Includes ANAVI Info uHAT (1), one mini 0.96" OLED I2C display, yellow-blue (1), one temperature and humidity sensor (1), one light sensor (1), one barometric pressure and temperature sensor (1) and one USB-to-serial debug cable (1).

Hardware Schematics

ANAVI Info uHAT schematics are available at GitHub. It utilizes the following pins on Raspberry Pi:

Component	Raspberry Pi Pins
I2C	3, 5
EEPROM	27, 28
UART	1, 8, 9, 10
LED D1	29
LED D2	31
Button SW1	15
Button SW2	13
Button SW3	11

Resources

- KiCad board schematics
- Documentation
- Software
- For more information visit <https://anavi.technology/>