

Mountaineering, hiking, paragliding... is all about freedom.

Why should your watch be different?

F*WATCH

■ **FREE**

■ **FUN**

■ **FLEXIBLE**



With this GPS watch, we have proven that it is possible to make an open-source device entirely with free open source tools.

ohwr.org/projects/f-watch

HOUSING

FreeCAD
CERN OHL v1.2

PCB

KiCad
CERN OHL v1.2

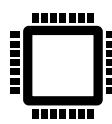
SOFTWARE

GCC, openOCD, GDB
GNU GPL v2+



GPS

Antenova M10478-A1
Position, time
Follow/log path



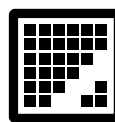
MCU

SiLabs Giant Gecko
ARM Cortex-M3
32-bit, 128KB RAM, 1MB Flash



BAROMETER

Meas.Spec. MS5806-02BA
Atmospheric pressure
Temperature
Altitude



DISPLAY

Sharp Memory LCD
128x128 pixels (1.28")
With backlight



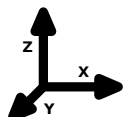
COMPASS

North indication
Tilt/roll compensated



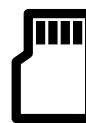
CONNECTIVITY

Micro-USB connector
Battery charging
Firmware upgrade
File transfer



ACCELEROMETER

Movement detection
Gesture control



STORAGE

Micro-SD card slot
SPI interface



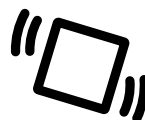
LIGHT SENSOR

LCD backlight adjustment



BATTERY

500mAh LiPo battery
Advanced fuel gauge



NOTIFICATION

Buzzer + Vibration motor
Alarm clock
Weather change notification
Button feedback