

# Pixhawk Controller kit



**Produktkode:** 516

**Tilgjengelighet:** Opp til 1 mnd leveringstid

**Pris:** kr. 2.100,00

## Short Description

Pixhawk PX4 2.4.6 32 bit ARM Flight Controller & M8N GPS/ Led/ PPM/PM/433MHZ/OSD

## Beskrivelse

### Description:

PX4 Pixhawk V2.4.6 32Bits Open Source Flight Controller w/External

### Improvements on V2.4.5

- V2.4.6 PCB board
- Redeveloped and optimized circuit without changing components
- Could use Official MissionPlanner, ECLIPSE firmware

## Features:

- 168 MHz / 252 MIPS Cortex-M4F
- 14 PWM / Servo outputs (8 with failsafe and manual override, 6 auxiliary)
- Abundant connectivity options for additional peripherals (UART, I2C, SPI)
- Integrated backup system for in-flight recovery and manual override with dedicated processor
  - Backup system integrates mixing, providing consistent autopilot and manual override
  - Redundant power supply inputs and automatic failover
  - External safety switch
  - Multicolor LED main visual indicator
  - High-power, multi-tone piezo audio indicator
- microSD card for high-rate logging over extended periods

## Specifications:

### Processor

- 32bit STM32F427 Cortex M4 core with FPU
- 168 MHz
- 256 KB RAM
- 2 MB Flash
- 32 bit STM32F103 failsafe co-processor

### Sensors

- ST Micro L3GD20H 16 bit gyroscope
- ST Micro LSM303D 14 bit accelerometer / magnetometer
- MEAS MS5611 barometer

### Interfaces

- 5x UART (serial ports), one high-power capable, 2x with HW flow control
- 2x CAN (one with internal 3.3V transceiver, one on expansion board)
- Spektrum DSM / DSM2 / DSM-X® Satellite compatible
- Futaba S.BUS® compatible input and output
  - PPM sum signal input
  - RSSI (PWM or voltage) input
  - I2C
  - SPI
  - 3.3 and 6.6V ADC inputs
- Internal microUSB port and external microUSB port expansion

### Power System and Protection

- Ideal diode controller with automatic failover
- Servo rail high-power (max. 10V) and high-current (10A)
- All peripheral outputs over-current protected, all inputs ES

## Package Included:

- PX4 V2.4.6 Flight board (**with original DF13 connector**)
    - safety switch
    - Buzzer
    - Original Case
    - 4GB SD Card
    - SD Card Adapter
  - External LED light board (with USB function) x1
  - Pixhawk-I2C Splitter Expand Module X 1pcs
    - PPM module x1
    - Power Module x1
    - Minim OSD x1
    - 433 telemetry x1
    - M8N GPS X1
  - Gps stander holder x1
  - 4 Pin DF13 cable x1
  - 5 pin DF13 cable x1
  - 6 pin DF13 cable x1
- Compare to the old version 2.4.5, the final release 2.4.6 Version is added two

