APM-2-8-Flight-Controller

Produktkode: 444
Tilgjengelighet: Opp til 1 mnd leveringstid

Pris: kr. 650,00

Short Description
APM-2-8-Flight-Controller-NEO-6M-GPS-5V-3A-Power-Module-GPS-Support-se
APM-2-8-Flight-Controller-NEO-6M-GPS-5V-3A-Power-Module-GPS-Support-se APM
2.8 Flight Controller NEO 6M GPS 5V 3A Power Module GPS Support se

Beskrivelse
APM2.8 Features:

- This is the new APM 2.8 autopilot module. The sensors are exactly the same as with APM2.6, however this version does not have an onboard compass, which makes this version ideal for use with multicopters and rovers.

- The APM 2.8 is a complete open source autopilot system and the bestselling technology that won the prestigious 2012 Outback Challenge UAV competition. It allows the user to turn any fixed, rotary wing or multirotor vehicle (even cars and boats) into a fully autonomous vehicle; capable of performing programmed GPS missions with waypoints. Available with top or side connectors.

- This revision of the board has no onboard compass, which is designed for vehicles (especially multicopters and rovers) where the compass should be

placed as far from power and motor sources as possible to avoid magnetic interference. (On fixed wing aircraft it's often easier to mount APM far enough away from the motors and ESCs to avoid magnetic interference, so this is not as critical, but APM 2.6 gives more flexibility in that positioning and is a good choice for them, too). This is designed to be used with the 3DR uBlox GPS with Compass (see option below), so that the GPS/Compass unit can be mounted further from noise sources than APM itself.

Features:

- Arduino Compatible!

- Can be ordered with top entry pins for attaching connectors vertically, or as side entry pins to slide your connectors in to either end horizontally

- Includes 3-axis gyro, accelerometer and magnetometer, along with a high-performance barometer

- Onboard 4 MegaByte Dataflash chip for automatic datalogging

- Optional off-board GPS, uBlox LEA-6H module with Compass.

- One of the first open source autopilot systems to use Invensense's 6 DoF Accelerometer/Gyro MPU-6000.

- Barometric pressure sensor upgraded to MS5611-01BA03, from Measurement Specialties.

- Atmel's ATMEGA2560 and ATMEGA32U-2 chips for processing and usb functions respectively.

About Power Module:

Power Module is a simple way of providing your APM/Arduflyer with clean power from a LiPo battery as well as current consumption and battery voltage measurements, all through a 6P cable. The on-board switching regulator outputs 5.3V and a maximum of 3A from up to a 6S LiPo battery.Special for APM2.5.2 APM2.6 Pixhawk flight controller

Note: The Power Module is only designed to power APM/Arduflyer, a RC receiver and accessories (GPS, Radio telemetry). It is not designed to power servos. Use your aircraft's own ESC/BEC for that.

Features:

XT60 Plug

Max input voltage: 30V

Max current sensing: 90A

Voltage and current measurement configured for 5V ADC

Switching regulator outputs 5.3V and 3A max

6P molex cable plugs directly to APM/Arduflyer 2.5's 'PM' connector

About neo-6m GPS

- Built-in compass GPS module

- Main chip: Ublox-6M

- With fast satellite searching speed and high precision

- Compatible with APM serial port and I2C port

- Includes round plastic shell

Packing content:

1 x APM 2.8 Flight Controller w/ Case and Shock Absorber Conjoined

5 x Cables

1 x 5V 3A Power Module x 1

1 x NEO-6M GPS

1 x GPS Support