Dane aktualne na dzień: 24-11-2026 04:57

Link do produktu: https://www.nobshop.pl/kontroler-lotu-matek-f722-hd-p-2603.html



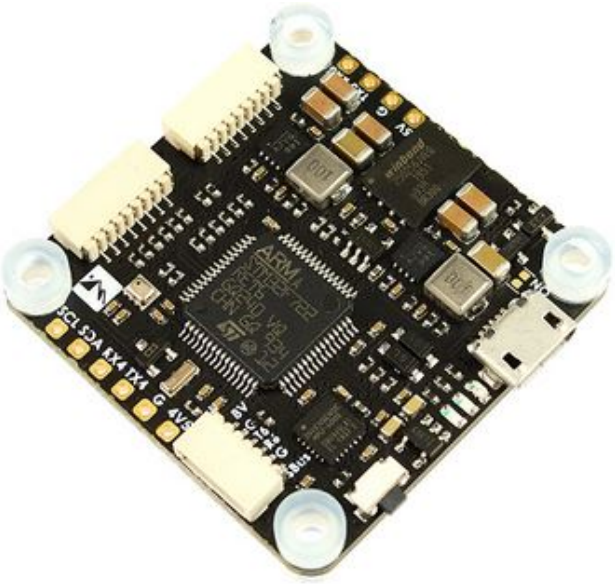
Kontroler lotu FC Matek F722 HD Multi i Wing

Cena brutto	**179,99 zł**
Cena netto	**146,33 zł**
Dostępność	**Aktualnie niedostępny**
Czas wysyłki	**1 - 3 dni**
Producent	**Matek Systems**

Opis produktu

Kontroler Lotu Matek F722 HD

Kontoler lotu F722 marki Matek to multifunkcyjny kontroler lotu w wersji HD umożliwiającej podłączenie cyfrowego systemu wizji DJI Air Unit lub Caddx Vista. Kontroler posiada wydajny procesor F7 o taktowaniu 216 MHz, który obsłuży większość dostępnych urządzeń gotowych do podłączenia przy jednoczesnym zachowaniu wysokiej kultury pracy. W kontrolerze Mateka zastosowano wysokiej jakości żyroskop 6 osiowy MPU6000, który doskonale pozycjonuje pozycję modelu w przestrzeni. Dzięki wbudowanemu barometrowi BMP280, model ma możliwość utrzymywania zadanej wysokości. W celu wykonywania lotów autonomicznych użytkownik ma możliwość zainstalowania modułu GPS. Zalecanym oprogramowaniem dla tego kontrolera jest oprogramowanie Betaflight lub Inav. W przypadku montażu w samolocie zalecane jest PDB F722-PX-W.



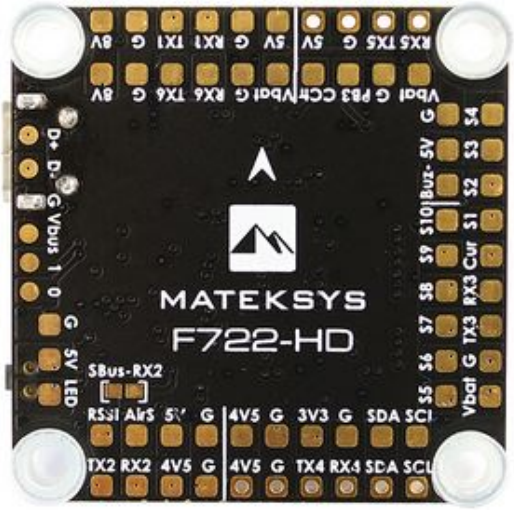
MATEKSYS Flight Controller F722-HD

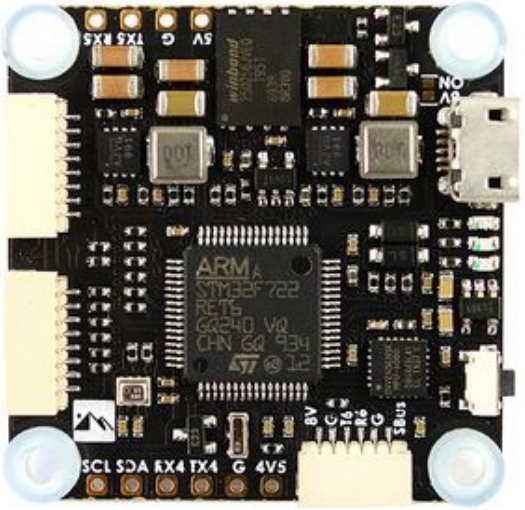
MCU: 216MHz STM32F722RET6
IMU: MPU6000 (SPI)
Baro: BMP280 (I2C)
OSD: external FrskyOSD/DJI OSD via Uart
Blackbox: 32M-byte Flash (SPI)
6x Uarts & 1x Softserial_Tx option
10x Dshot/PWM outputs
1x I2C, 4x ADC

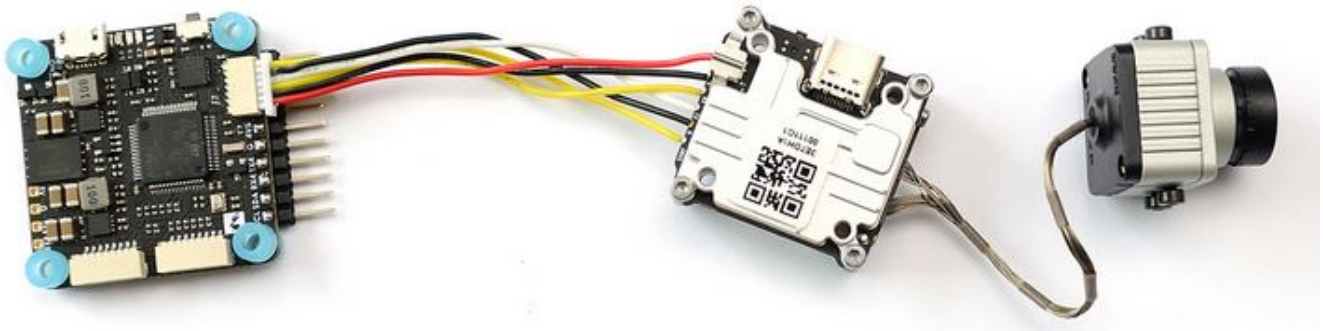
Switchable 8V output

9~36V DC IN (3~8S LiPo)
BEC: 5V 2A cont. (Max.3A)
BEC: 8V 2A cont. (Max.3A)

INAV Target MATEKF722PX
BetaFlight Target MATEKF722HD







Specyfikacja:

FC:
MCU - 216MHz STM32F722RET6
IMU - MPU6000 (SPI)
Baro - BMP280 (I2C)
Blackbox - 32M-byte Flash memory (SPI)
OSD- Support external DJI OSD/FrskyOSD, No Analog MAX7456 OSD built-in

Porty:

6x Uarts with built-in inversion
1x Softserial_Tx option
10x Dshot/PWM outputs
1x I2C
4x ADC (VBAT, Current, RSSI, AirSpeed)
2x SH1.0_8pin connector (Vbat/G/Curr/Rx3/S1~S10)
1x SH1.0_6pin connector for DJI FPV Air Unit
3x LEDs for FC STATUS (Blue, Red) and 3.3V indicator(Red)
Switchable 8V output
PWM camera control - Yes
TR/SA VTX control - Yes
WS2812 Led Strip - Yes
Beeper - Yes
RSSI - Yes
Analog Airspeed sensor - Yes
Digital Airspeed sensor - Yes

Zasilanie:

Input: 9~36V (3~8S LiPo)
BEC - 5V 2A cont. (Max.3A)
BEC - 8V 2A cont. (Max.3A)
LDO 3.3V - Max.200mA
Battery Voltage Sensor: 1:10 (Scale 110)
No Current Sensor built-in

Oprogramowanie FC

BetaFlight unified target - MATEKF722HD(MTKS)
INAV target - MATEKF722PX

Wymiary

Mounting - 30.5 x 30.5mm, Φ4mm with Grommets Φ3mm
Dimensions - 36 x 36 x 5 mm
Weigh t- 6.5g

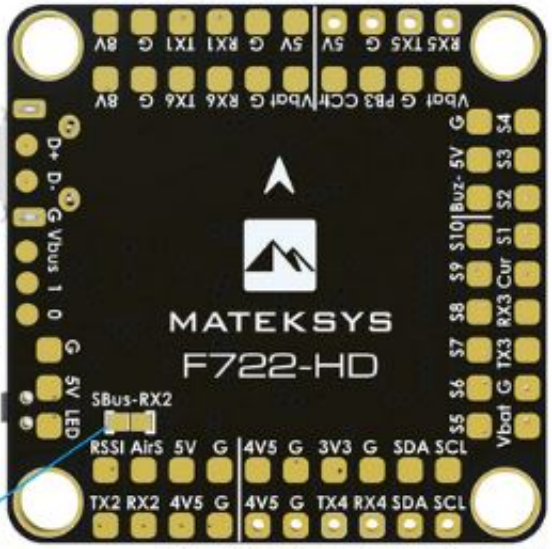
Zawartość:

1x FC F722-HD
6x Silicon grommets M4 to M3
1x SH1.0_8pin cable 5cm
2x SH1.0_8pin connectors
1x SH1.0_6pin to GH1.25_8pin cable 8cm

5V: onboard BEC 5V 2A cont. 3A burst
8V: onboard BEC 8V 2A cont. 3A burst
*** 8V ON/OFF can be switched via Modes/USER1 (Default ON)*
Vbat: Battery voltage

RX1 & TX1: UART1_RX & TX
RX5 & TX5: UART5_RX & TX
RX6 & TX6: UART6_RX & TX

CCtr: PWM camera control
G: Ground



D+ & D-: USB data
Vbus: USB voltage

1: SWDIO
0: SWCLK

LED: 2812 LED signal Ou

Buz- & 5V: General active 5V buzzer
Buz- /5V/G: Matek DBUZ5V

S1~S10: DShot/PWM outputs

Cur: current sensor signal IN
Rx3 & Tx3: UART3_RX & TX

Vbat: Battery voltage, 9~36V DC IN
G: Ground

4V5: 4.4~4.8V, Max.500mA, the voltage is also supplied when connecting via USB
3V3: LDO3.3V Max.200mA



If using non-DJI FPV remote controller, keep this pad unbridged

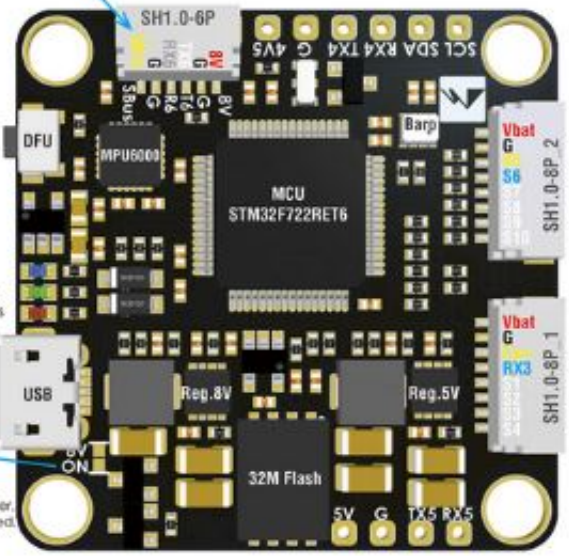
RX2: UART2_RX for Serial RX by default, PPM share RX2 pad
TX2: UART2_TX
*** TX2 can be used for softserial_tx1*
*** F722 Uarts have built-in inversion, SBUS can be connected to any unused UART_RX.*
*** Frsky FPort, SmartPort, Tramp & SmartAudio can be connected to any unused UART_TX*



If using DJI FPV Remote Controller, Bridging this pad will link RX2 to SBus pin on SH1.0-6P connector

Airs: Analog Airspeed sensor IN (0~3.3V)
Rssi: Analog RSSI IN (0~3.3V)

SCL & SDA: I2C1 Bus for Magnetometer/Digital airspeed sensor/OLED
TX4 & RX4: UART4_TX & RX
*** GPS can be connected to any unused UART_TX & RX*



LED 0: Blue, FC Status
LED 1: Green, FC Status
LED 3.3: Red, 3.3V Status

If using DJI Remote Controller, Bridging this pad is suggested

SH1.0-8P_2 Sequence
–Vbt: Battery voltage, 9~36V DC IN
–G: Ground
–S5/S6/S7/S8/S9/S10: DShot/PWM outputs

SH1.0-8P_1 Sequence
–Vbt: Battery voltage, 9~36V DC IN
–G: Ground
–Curr: current sensor signal IN
–Rx3: UART3_RX, for BLHeli32 ESC Telemetry
–S1/S2/S3/S4: DShot/PWM outputs

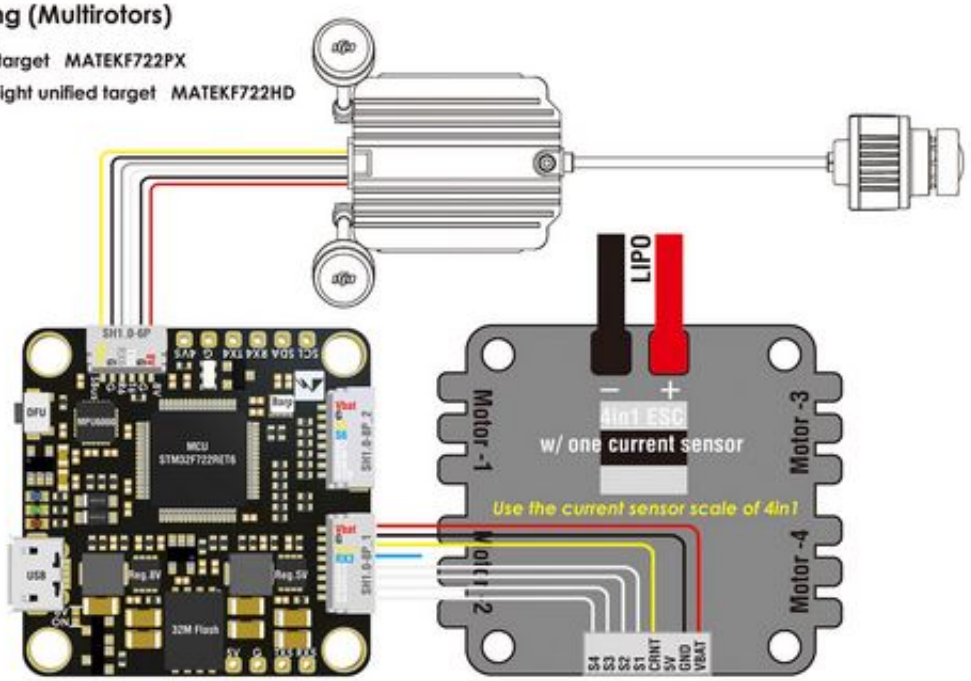
Size & Weight: 36x36mm /6.5g
Holes: Φ4mm, 30.5mm x 30.5mm

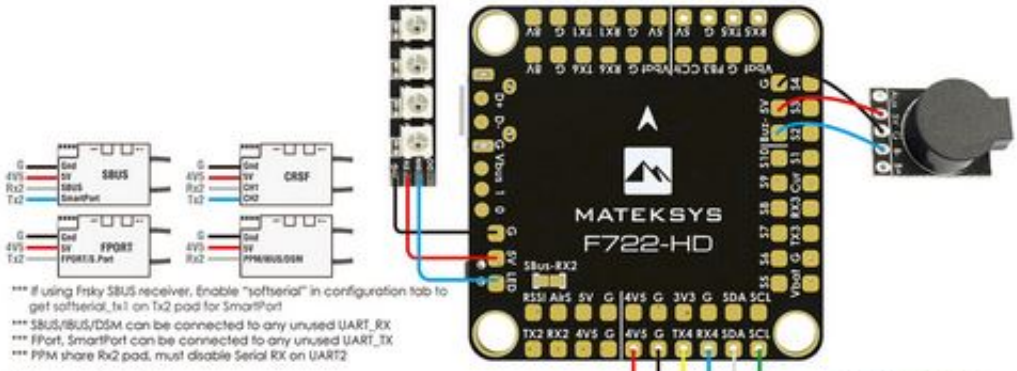
Packing
1x F722-HD
1x SH1.0_8pin cable 5cm
2x SH1.0_8pin connector
6x M3 Silicon Grommets
1x SH1.0_6pin to GH1.25_8pin 8cm for DJI air unit

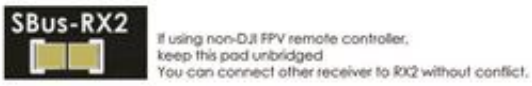
Wiring (Multirotors)

INAV target MATEKF722PX

BetaFlight unified target MATEKF722HD







If using non-DJI FPV remote controller,
keep this pad unbridged
You can connect other receiver to RX2 without conflict.



If using DJI FPV Remote Controller,
Bridging this pad will link RX2 to SBus pin
on SH1.0-6P connector



*** GPS is supported on any unused UART_TX & RX
*** 4V5 is also supplied when connecting via USB only



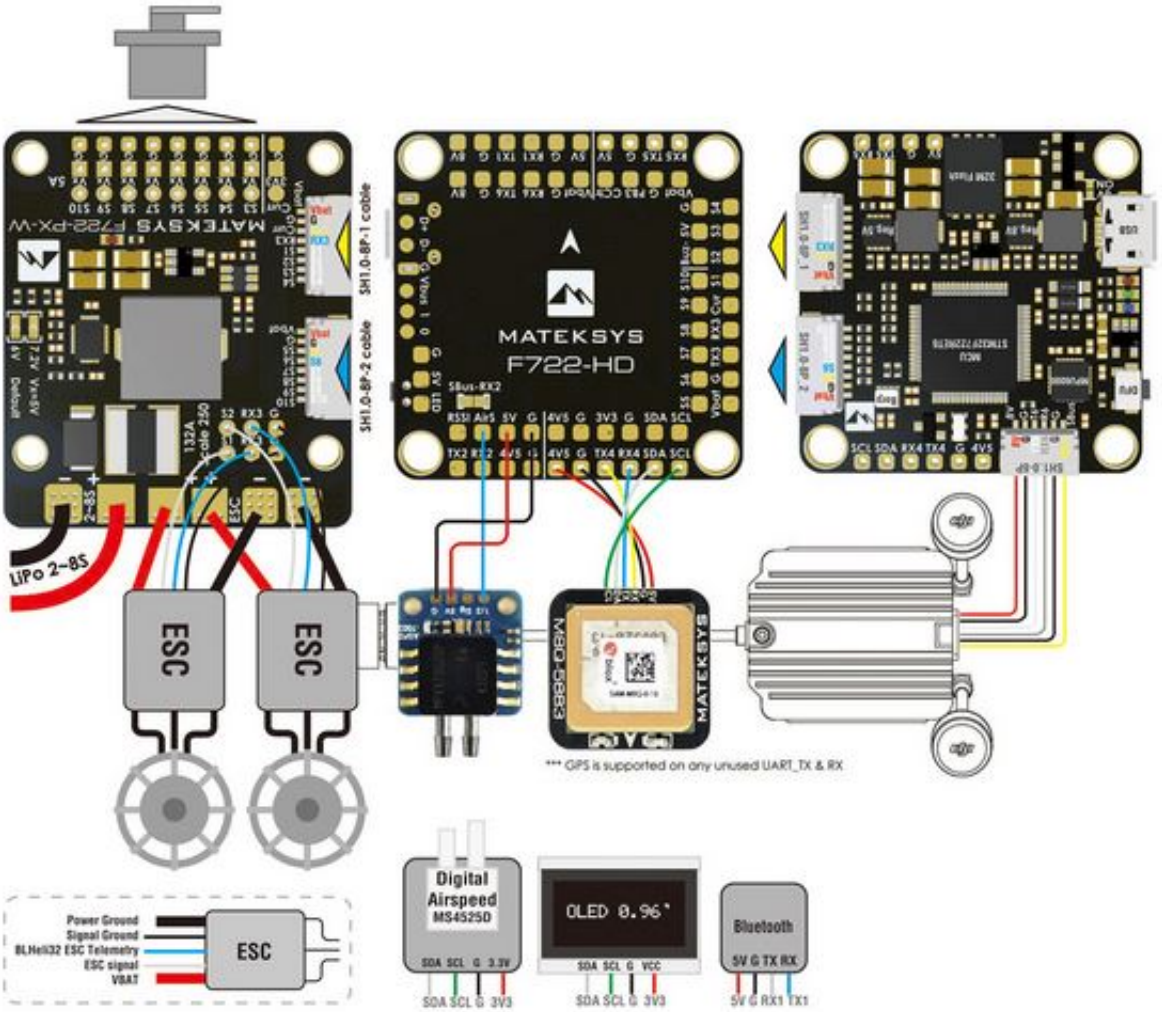


8V output switch (BetaFlight/INAV)



*** If using DJI FPV Remote Controller, DO NOT enable USER1

Wiring (Airplane)



Wiring (FrskyOSD)

