

Link do produktu: <https://www.nobshop.pl/kontroler-lotu-matek-f411-wing-p-2578.html>

Kontroler lotu FC Matek F411 Wing



| | |
|--------------|------------------------------|
| Cena brutto | 155,99 zł |
| Cena netto | 126,82 zł |
| Dostępność | Aktualnie niedostępny |
| Czas wysyłki | 1 - 3 dni |
| Producent | Matek Systems |

Opis produktu

Kontroler Lotu Matek F411 Wing

Jeśli szukasz idealnego kontrolera lotu do samolotu, bądź latającego skrzydła FPV, to kontroler Matek F411 Wing to idealne rozwiązanie. Na pokładzie znalazł się wydajny procesor F4 o taktowaniu 100MHz. Połączony jest z 6 osiowym żyroskopem, który zapewnia idealną stabilizację modelu w locie. Oprócz tego FC ma wbudowane OSD, który wyświetla informacje o każdym parametrze lotu, oraz barometr, który po podłączeniu modułu GPS pozwala utrzymywać zadany kurs wraz z wysokością.

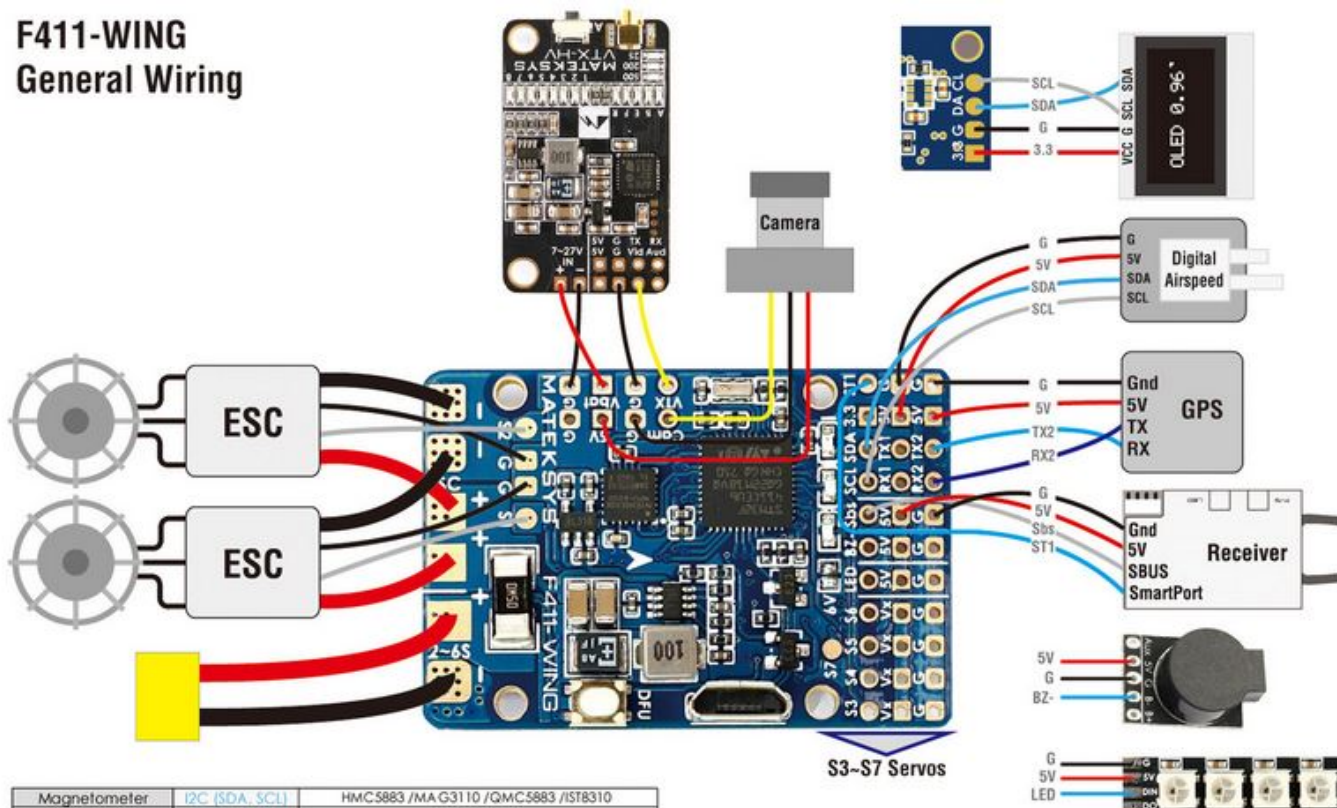


Specyfikacja:

MCU - 100MHz STM32F411
 IMU - MPU6000 accelerometer/gyro (SPI)
 Baro - BMP280 (I2C)
 OSD - INAV OSD w/ AT7456E chip
 Blackbox - No

VCP & 2x UARTs
 2x Motors, 5x Servos outputs
 1x I2C
 3x LEDs for FC STATUS (Blue, Red) and 3.3V indicator(Red)
 Built in inverter for SBUS input (UART1-RX)
 SoftSerial_Tx1 - ST1 pad by default
 PPM: ST1 pad with softserial disabled
 Battery Voltage Sensor: 1:10 (Scale 1100)
 WS2812 Led Strip - Yes
 Beeper - Yes
 RSSI - No
 Mounting: 24 x 24mm, Φ2mm
 Dimensions: 41 x 28 x 10mm
 Weight: 7g (Total 12g w/ bottom plate and M2 standoffs)

F411-WING General Wiring



| | | |
|--------------------------------|-----------------|---|
| Magnetometer | I2C (SDA, SCL) | HMC5883 /MA G3110 /QMC5883 /IST8310 |
| AirSpeed Pilot | I2C (SDA, SCL) | Pilot_MS4525 |
| OLED | I2C (SDA, SCL) | 0.96" 128*64 |
| SBUS | Sbs pad | Built-in inverter on UART1-RX |
| GPS | UART2 (Tx2 Rx2) | |
| Fskys Smartport or VTX control | ST1 pad | Softserial-TX1 is enabled on ST1 pad by default |
| FPort | UART1 (TX1) | Need non-inverted Smartport signal[hacked] |
| GPS | UART2 (Tx2 Rx2) | |
| VTX control | ST1 pad | Softserial-TX1 is enabled on ST1 pad by default |
| PPM | ST1 Pad | Need to disable CPU based serial ports |
| GPS | UART1 (Tx1 Rx1) | |
| VTX control | UART2 (Tx2) | SA / TR |
| CrossFire | UART1 (Tx1 Rx1) | |
| GPS | UART2 (Tx2 Rx2) | |
| VTX control | ST1 pad | Softserial-TX1 is enabled on ST1 pad by default |
| Spektrum/IBUS | UART1 (Tx1 Rx1) | |
| GPS | UART2 (Tx2 Rx2) | |
| VTX control | ST1 pad | Softserial-TX1 is enabled on ST1 pad by default |

Voltage scale 1100
 Current scale 423

| Identifier | Data | Telemetry | RX | Sensors |
|-------------|--|---|------|---|
| USB VCP | <input checked="" type="checkbox"/> MSP 115200 | Disabled | AUTO | Disabled 38400 |
| UART1 | <input type="checkbox"/> MSP 115200 | Disabled | AUTO | <input checked="" type="checkbox"/> Serial Rx Disabled 38400 |
| UART2 | <input type="checkbox"/> MSP 115200 | Disabled | AUTO | <input type="checkbox"/> Serial Rx <input checked="" type="checkbox"/> GPS 9600 |
| SOFTSERIAL1 | <input type="checkbox"/> MSP 115200 | <input checked="" type="checkbox"/> SmartPort | AUTO | <input type="checkbox"/> Serial Rx Disabled 38400 |

F411-WING Mixer w/ INAV1.9.x

| INAV MATEKF411 | | Airplane | Flying Wing | Custom Airplane |
|----------------|----|------------|--------------|-----------------|
| | S1 | Motor-1 | Motor-1 | Motor-1 |
| | S2 | Motor-2 | Motor-2 | Motor-2 |
| | S3 | ELEV | Left AILE | Left AILE |
| | S4 | Left AILE | Right AILE | Right AILE |
| Servo Gimbal | S5 | Right AILE | Gimbal PITCH | Left V-tail |
| Forward aux CH | S6 | RUDD | Gimbal ROLL | Right V-tail |
| | S7 | AUX1 (CH5) | AUX1 (CH5) | AUX1 (CH5) |

Mixer

Airplane

Forward aux channels to servo outputs S7 = AUX1(CH5) of Transmitter, use for Landing Gear, Bomb Drop, etc.

Mixer

Flying Wing

Other Features

Servo gimbal S5 = Servo Gimbal PITCH-axis
S6 = Servo Gimbal ROLL-axis

Forward aux channels to servo outputs S7 = AUX1(CH5) of Transmitter, use for Landing Gear, Bomb Drop, etc.

Mixer

Custom Airplane

Forward aux channels to servo outputs S7 = AUX1(CH5) of Transmitter, use for Landing Gear, Bomb Drop, etc.

Servo mixer

```
mmix 0 1.0 0.0 0.0 0.0 # motor1
mmix 1 1.0 0.0 0.0 0.0 # motor2
```

| Servo | Input | Weight |
|-------|------------------|--------|
| 2 S3 | Stabilised Roll | -100 |
| 3 S4 | Stabilised Roll | -100 |
| 4 S5 | Stabilised Pitch | -100 |
| 5 S6 | Stabilised Pitch | -100 |
| 4 S5 | Stabilised Yaw | 100 |
| 5 S6 | Stabilised Yaw | -100 |

*** Adjust the "Weight" 100 or -100 according to the Servo mounting and Servo Arm orientation

F411-WING Mixer w/ INAV2.0

| INAV MATEKF411 | | Airplane | Flying Wing | Custom Airplane |
|-----------------------------|----|------------|--------------|-----------------|
| | S1 | Motor-1 | Motor-1 | Motor-1 |
| | S2 | Motor-2 | Motor-2 | Motor-2 |
| | S3 | ELEV | Left AILE | Left AILE |
| | S4 | Left AILE | Right AILE | Right AILE |
| Servo Gimbal Forward aux CH | S5 | Right AILE | Gimbal PITCH | Left V-tail |
| | S6 | RUDD | Gimbal ROLL | Right V-tail |
| | S7 | AUX1 (CH5) | AUX1 (CH5) | AUX1 (CH5) |

Mixer

Platform configuration

Airplane ▾ Platform type

Has flaps

Mixer preset

Airplane ▾

Output Mapping

| Output | S1 | S2 | S3 | S4 | S5 | S6 | S7 |
|----------|---------|---------|---------|---------|---------|---------|---------|
| Function | Motor 0 | Motor 1 | Servo 2 | Servo 3 | Servo 4 | Servo 5 | Servo 6 |

Motor Mixer

| Motor | Throttle | Roll | Pitch | Yaw | |
|-------|----------|------|-------|-----|--------|
| 1 | 1 | 0 | 0 | 0 | Delete |
| 2 | 1 | 0 | 0 | 0 | Delete |

Add new mixer rule

Servo mixer

| Servo | Input | Weight | Speed | |
|-------|------------------|--------|-------|--------|
| 3 | Stabilised Roll | 100 | 0 | Delete |
| 4 | Stabilised Roll | 100 | 0 | Delete |
| 3 | Flaps | 100 | 0 | Delete |
| 4 | Flaps | -100 | 0 | Delete |
| 5 | Stabilised Yaw | 100 | 0 | Delete |
| 2 | Stabilised Pitch | 100 | 0 | Delete |
| 6 | RC Channel 6 | 100 | 0 | Delete |

Add new mixer rule

- Stabilised Roll
- Stabilised Pitch
- Stabilised Yaw
- Stabilised Throttle
- RC Roll
- RC Pitch
- RC Yaw
- RC Throttle
- RC Channel 5
- RC Channel 6
- RC Channel 7
- RC Channel 8
- Gimbal Pitch
- Gimbal Roll
- Flaps