

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.

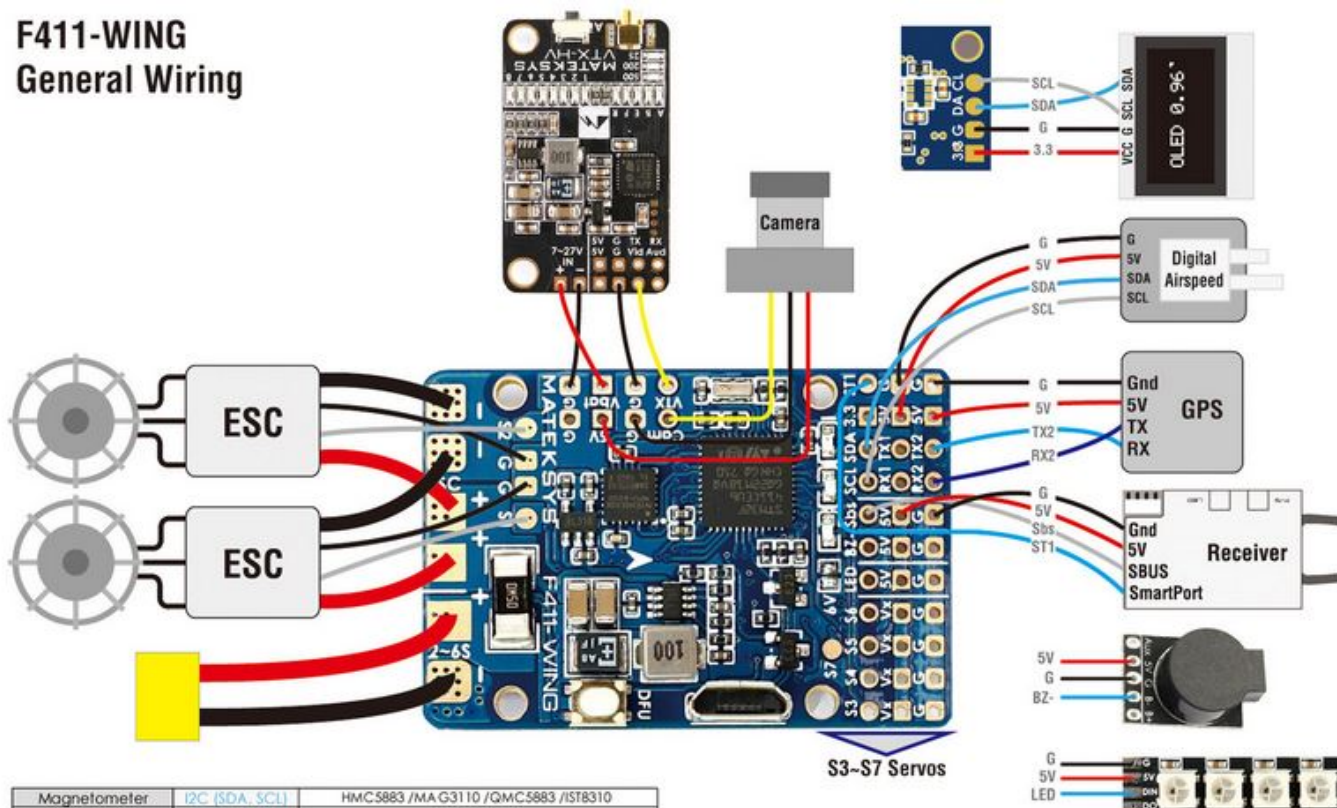


Specyfikacja:

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



Load and apply Load mixer

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

Save and Reboot