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 pokłądzie znalazł się wydajny procesor F4 o taktowaniu 100MHz. Połączony jest z 6 osiowym żyroskopem, który zapewnia idealną stabilizacje 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

S3~S7 Servos
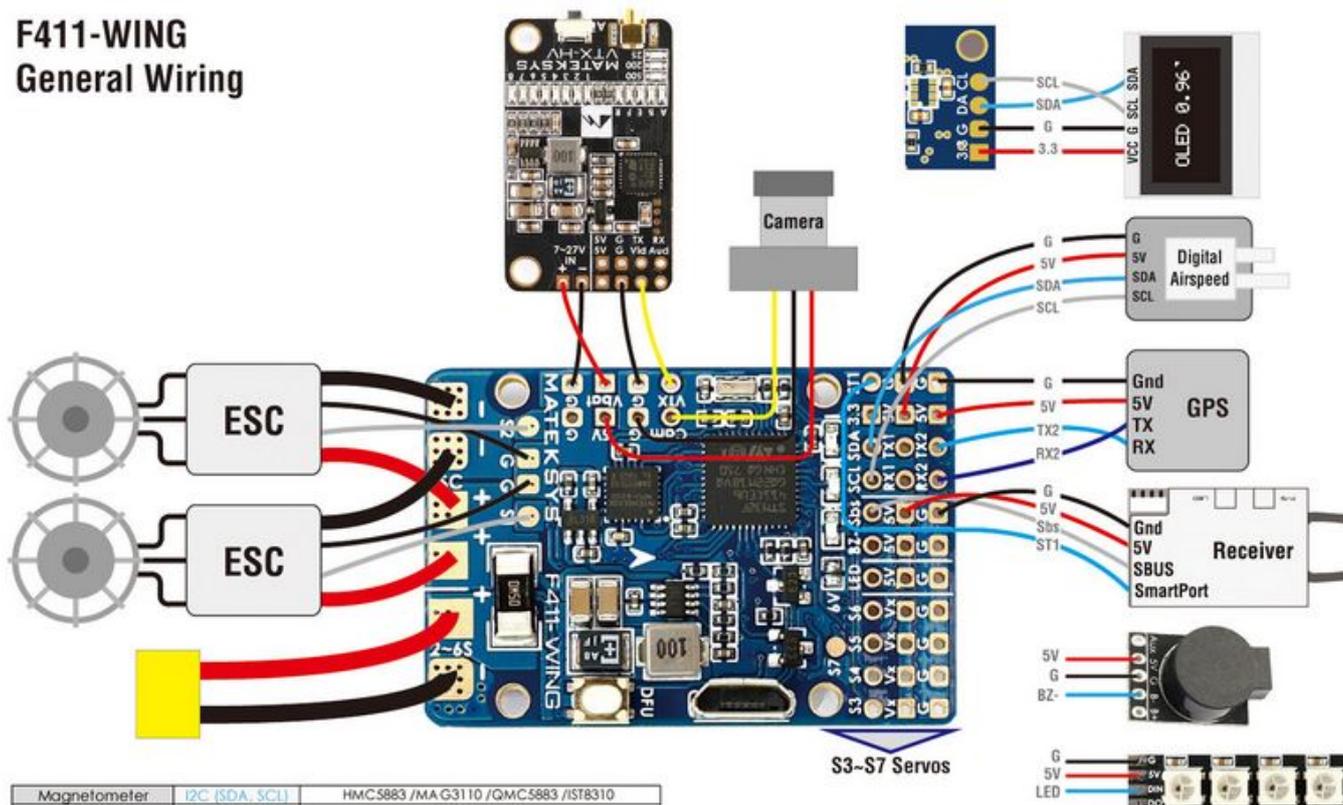
Magnetometer	I2C (SDA, SCL)	HMC5883 /MAG3110 /QMC5883 /IST8310
AirSpeed Pitot	I2C (SDA, SCL)	Pitot_MS4525
OLED	I2C (SDA, SCL)	0.96" 128*64

SBUS	Sbs pad	Built-in inverter on UART1-RX
GPS	UART2 (Tx2 Rx2)	
Frsky 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	MSP	115200	Disabled	AUTO	Serial RX		Disabled	38400
UART1	MSP	115200	Disabled	AUTO	Serial RX		Disabled	38400
UART2	MSP	115200	Disabled	AUTO	Serial RX		GPS	9600
SOFTSERIAL1	MSP	115200	SmartPort	AUTO	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

Mixer

S1/S2 1/2

Airplane ▼

S4 4   5 S5
S6 6
3 S3

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

Mixer — Flying Wing

Mixer

Flying Wing ▼

S3 3   1/2   4 S4
S1/S2

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

Mixer

Custom Airplane ▼

Custom Mixer

S5 S6
S3   S4
S1/S2

🔵⚪ 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	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

Platform configuration

Airplane ▼ Platform type

⬤ Has flaps

Mixer preset

Airplane ▼
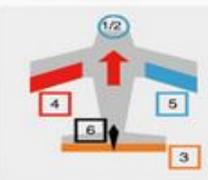
[Load and apply] [Load mixer]

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

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

[Add new mixer rule]

[Save and Reboot]