

Link do produktu: <https://www.nobshop.pl/newbeedrone-m10q-micro-gps-modul-z-kompasem-p-4121.html>

## NewBeeDrone M10Q Micro GPS moduł z kompasem



Cena brutto	<b>99,99 zł</b>
Cena netto	<b>81,29 zł</b>
Dostępność	<b>Aktualnie niedostępny</b>
Czas wysyłki	<b>1 - 3 dni</b>
Kod producenta	<b>NBD1544</b>
Producent	<b>NewBeeDrone</b>

### Opis produktu

#### **NewBeeDrone M10Q Micro GPS moduł z kompasem**

Introducing the NewBeeDrone Tiny GPS Module, the perfect solution for applications where size and weight are critical. With a compact size of just 17MMx12MMx5MM and a weight of only 2.16g, this GPS module is incredibly small and lightweight. Tiny GPS Module is the perfect choice for any project where space and weight are at a premium.

#### **Including**

1\* NewBeeDrone Tiny GPS Module

1\* JST 0.8 6pin cable



## NEWBEE DRONE TINY GPS MODULE M10



**SMALL IN SIZE. BIG ON RELIABILITY.**



**NEWBEE DRONE GPS MANUAL**

**ANTENNA:** CERAMIC ANTENNA 2DB

**FREQUENCY:** GPS L1, GLONASS L1, BDS B1, GALILEO E1, SBAS L1, QZSS L1

**COMPASS:** QMC5883

**BAUD RATE:** 115200 DPS

**OUTPUT FREQUENCY:** 1HZ-10HZ, DEFAULT 10HZ

**POWER SUPPLY:** 5V

**SPEED ACCURACY:** 0.05M/S

**WEIGHT:** ~2.61G

**1. CONNECT TINY GPS MODULE WITH ANY UART FROM THE FLIGHT CONTROLLER. CHOOSE "GPS" UNDER SENSOR INPUT. CLICK "SAVE AND REBOOT."**

Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>	Disabled AUTO	Disabled AUTO	Disabled AUTO
UART1	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>	Disabled AUTO	Disabled AUTO	Disabled AUTO
UART2	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled AUTO	Disabled AUTO	Disabled AUTO
UART3	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled AUTO	Disabled AUTO	Disabled AUTO
UART5	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled AUTO	Disabled AUTO	Disabled AUTO
UART7	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled AUTO	Disabled AUTO	Disabled AUTO
UART8	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled AUTO	GPS 115200	Disabled AUTO

**Save and Reboot**

**2. OPEN CONFIGURATION PAGE AND CHOOSE GPS SETTINGS AND ENABLE THE FOLLOWING:**

**GPS**

**GPS** GPS for navigation and telemetry

**Note:** Remember to configure a Serial Port (via Ports tab) when using GPS feature.

UBLOX Protocol

Auto Baud

Auto Config

Use Galileo

Set Home Point Once

None Ground Assistance Type

**3. GO TO SYSTEM CONFIGURATION AND ENABLE MAGNETOMETER TO TURN ON COMPASS.**

**System configuration**

**Note:** Make sure your FC is able to operate at these speeds! Check CPU and cyclotime stability. Changing this may require PID re-tuning. TIP: Disable Accelerometer and other sensors to gain more performance.

3.20 kHz Gyro update frequency

3.20 kHz PID loop frequency

Accelerometer

Barometer (if supported)

Magnetometer (if supported)

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4. THE MAG AND GPS ICON WILL SHOW IF THE COMPASS AND GPS ARE CONNECTED SUCCESSFULLY.



**NewBeeDrone**