

UBLOX NEO-M8N GPS Module Compass Bracket GNSS



Product Code: 921a

Stock: Opp til 1 mnd leveringstid

Custom Field 5 (Location): drone 4

Price: kr. 480,00

Short Description

UBLOX NEO-M8N GPS Module Compass Bracket GNSS For PIX PX4 Flight Controller

Description

A new generation Ublox GPS NEO-M8N, with low power consumption and high precision, the ultimate accuracy is 0.6 meters, actually almost 0.9 meters, greater than the previous generation NEO-7N 1.4-1.6 meters accuracy, support GPS/QZSS L1 C/A, GLONASS L10F, BeiDou B1 protocol and mode or more.

Features:

- Quick satellite searching, only need 10s to find 6 satellite in open space.
- Built-in compass, refresh rate up to 10GHz.
- Support GPS+BD+SBAS, or GPS+GLONASS+SBAS.

Specifications:

- Receiver Type: 72 channel U-BLOX M8 engine
- GPS/QZSS L1, GLONASS L10F, BeiDou B1
- SBAS L1 C/A: WAAS, EGNOS, MSAS
- Galileo-ready E1B/C (NEO-M8N)
- Nav. update rate1 Single GNSS: Up to 18Hz
- Concurrent GNSS: Up to 10Hz

- Position Accuracy: 2 2.0mm CEP
 - Acquisition Cold Starts: 26s
 - Aided Starts: 2s
 - Reacquisition: 1.5s
 - Sensitivity Tracking & Nav.: -167dBm
 - Cold Starts: -148dBm
 - Hot Starts: -156dBm
 - Assistance: AssistNow GNSS Online
 - AssistNow GNSS Offline (up to 35days)³
 - AssistNow Autonomous (up to 6days)
 - OMA SUPL & 3GPP compliant
 - Oscillator TCXO (NEO-M8N/Q)
 - Crystal (NEO-M8M)
 - RTC crystal built-in
 - Lowest noise figure (NEO-M8N/Q)
 - Anti jamming Active CW detection and removal. Extra
 - Onboard SAW band pass filter (NEO-M8N/Q)
 - Memory ROM (NEO-M8M/Q) or Flash (NEO-M8N)
 - Supported antennas active and passive
 - Odometer travelled distance
 - Data-logger for position, velocity and time (NEO-M8N)
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- Operating Temperature: -40?~85?
 - Storage Temperature: -40?~85? (NEO/M8N/Q); -40?~105? (NEO-M8M)
 - RoHs compliant (lead-free)
 - Qualification according to ISO 16750
 - Manufactured and fully tested in ISO/TS 16949 certified production sites
 - Uses U-BLOX M8 chips qualified according to AEC-Q100
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- Supply Voltage: 1.65V-3/6V (NEO-M8M); 2.7V-3.6V (NEO-M8N/Q)
 - Power Consumption: 23mA@3.0V (continuous)
 - 5mA@3.0V Power Save Mode
 - (1Hz, GPS mode only)
 - Backup Supply: 1.4-3.6V