



HGUIDE N380 INERTIAL/GNSS NAVIGATOR

Honeywell

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Proven - Dependable - Accurate

The HGuide n380 is an incredibly small, lightweight, self-contained, all-attitude Inertial/GNSS Navigator designed for applications where robust, continuous position and attitude navigation data is required.

The HGuide n380 contains Honeywell's leading edge i300 inertial measurement unit (IMU) and provides a powerful dual-antenna, multi-frequency, multi-constellation RTK capability. Honeywell's integration expertise blends the IMU and GNSS data to provide an accurate, robust navigation service to your application with all the functionalities that you need.

The HGuide n380 output data includes time stamped position, velocity, angular rate, linear acceleration, roll, pitch and heading information. In dual-antenna mode, the device supports GNSS-based heading measurements and initialization.

KEY HONEYWELL ADVANTAGES

- Honeywell proven navigation algorithms for air, land, and sea.
- World-class inertial sensor development, calibration, and compensation.
- Proven reliability, dependability, and ruggedness.
- Accepts RTCM3 GNSS corrections.
- Highest performing Inertial/GNSS navigator of its size, weight, and price.
- Configuration flexibility. Only purchase the features you need.
- Multiple configurable communication ports.
- The HGuide n380 is not ITAR controlled. Its Export Control Classification Number (ECCN) is 7A994.

HGUIDE n380 TYPICAL KEY CHARACTERISTICS

GNSS Capability	SBAS, PPK, RTK mode options, Single or Dual Antenna Capable
GNSS Signals	GPS L1, L2, L5; GLONASS L1, L2, L3; BeiDou B1, B2; Galileo E1, AltBOC, E5a, E5b; NavIC (IRNSS) L5; SBAS L1, L5 QZSS L1, L2, L5;
Time to first fix/Signal reacquisition	Cold Start, < 45 Sec; Hot Start, < 20 Sec / < 1 Second Due to Momentary Outages
Shock/Vibration	40 g for 11 msec (MIL-STD-810G) / Random 2.2g's RMS 20-2000 Hz
Supply voltage/Power consumption	+9VDC to +36VDC / 3.5 Watts
Weight/Volume	320 g (0.77 lbs) / 260 cm ³ (15.9 in ³), ~9cm x 6cm x 4.8cm
Temperature (op/non-op)	-40°C to +71°C (0.8°C/min Max) / -54°C to 85°C (3°C/min Max)
Regulatory	FCC, ISED, CE, RoHS, WEEE
Submersion (non-op)	2 Meters for 24 Hours (IEC 60529 IP68)
Communication Ports	RS-422 (2x), 5V CMOS, RS-232, USB, Ethernet (10/100)
Discrete Signals	System & GPS Time Marks, User Event In (2), 1 PPS Event in Marker, Supports Lidar
Internal Data Storage	16 GB, USB 2.0 Access
LED Status Indicators	Power, GNSS, Navigation, Data Logging

For more information

Please visit: aerospace.honeywell.com/HGuide

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FUTURE
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