



# 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

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



**For more information**

Please visit: [aerospace.honeywell.com/HGuide](https://aerospace.honeywell.com/HGuide)

**Honeywell Aerospace**

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MAKE IT**

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