Embedded GPS/INS (EGI)

Supporting the most challenging military navigation requirements while adding civil interoperability capabilities
Honeywell’s EGI family of military aircraft Embedded GPS/INS (EGI) systems are self-contained, all-attitude, tightly coupled navigation systems providing outputs of linear and angular acceleration, linear and angular velocity, position, attitude (roll, pitch), platform azimuth, magnetic and true heading, altitude, body angular rates, time tags, and Coordinated Universal Time (UTC) synchronized time. Since the mid 1990’s more than 50,000 Honeywell EGIs have been produced and delivered demonstrating the best inertial performance of any EGIs available today for the most challenging navigation, pointing, stabilization and flight control applications. Honeywell’s EGIs provide a robust civil certifiability to DO-178 and DO-254 enabling much easier certification at the aircraft level for features such as ADS-B, RNP/RNAV, WAAS and more. Honeywell’s EGI family includes the H-764 in use on most military aircraft, the FALCN providing all the features and performance of the H-764 in a smaller package and the H-764 legacy using a larger chassis to maintain commonality with legacy aircraft.

- Existing footprint can include Radar Altimeter, Multi Mode Receiver (with VOR/ILS/Marker Beacon), and Synchro capability
- Available with SAASM, SPS or growth to MCODE
- Available with WAAS
- Available with dGPS integration (1m Horizontal and 1.5m vertical accuracy)
- Integrity Enhancements
  - FDE/RAIM (GPS Only)
  - HIGH+ (Blended)
- Interfaces
  - Dual 1553
  - Dual/Quad Ethernet 10/100/1000
  - ARINC 429
  - RS-422
  - Synchro/Discrete (ARINC 704)
  - Have Quick/1PPS

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For additional information, please visit us at: https://aerospace.honeywell.com/EGI

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