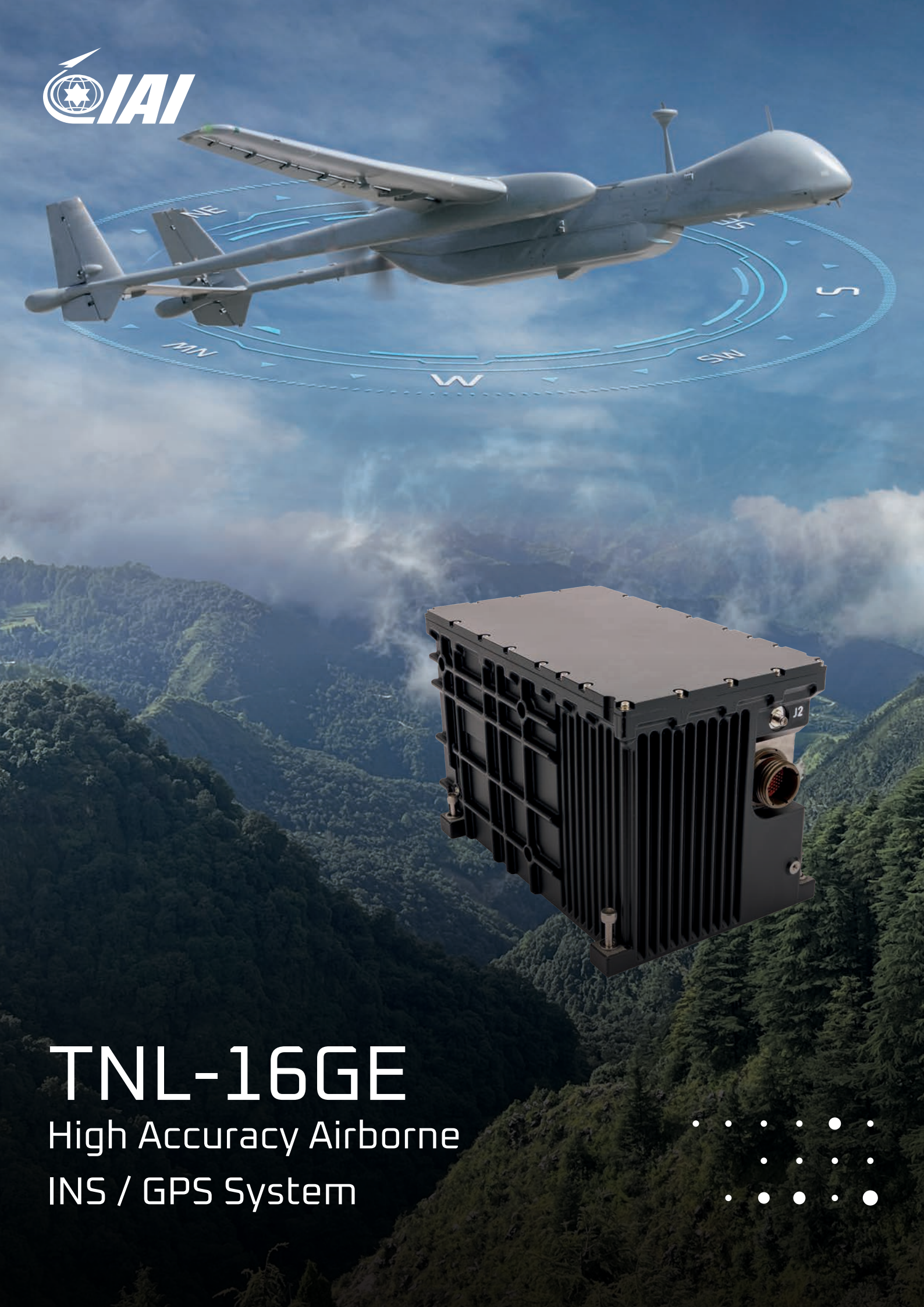

TNL-16GE

High Accuracy Airborne INS / GPS System

TNL-16GE

High Accuracy Airborne INS / GPS System

GENERAL

IAI's TAMAM Division specializes in the development and manufacturing of inertial sensors and inertial navigation systems. TAMAM is one of the world's leading inertial design and manufacturing centers. TAMAM is also considered a national center of excellence in its field. Building on its heritage, TAMAM provides its customers with the most accurate, up-to-date and cost-effective inertial based PNT solutions.

TNL-16GE is an airborne Inertial Navigation System, providing both Navigation data outputs, as well as inertial data for control and stabilization. TNL-16GE is used in various applications such as: Unmanned aerial systems, fixed wing aircraft, rotorcraft, reconnaissance & targeting payloads, SAR Motion Compensation and more.

HIGHLIGHTS

- Self contained INS/GPS airborne navigation system
- On the ground & In Flight Alignment (IFA) with GPS
- Integrated with the aircraft aiding devices such as: GNSS, Altimeter & more
- Several accuracy grades
- Full operation in GPS-denied conditions
- Based on IAI's inertial sensors (RLG and Accelerometers)
- ITAR free

PARAMETERS

Horizontal Position Error	8 Nm/Hr - 0.8 Nm/Hr
Heading Accuracy [RMS]	0.15°/Hr - 0.01°/Hr
Pitch & Roll Accuracy [RMS]	0.2° - 0.05°

CHARACTERISTICS

Weight	6.6 kg
Dimensions	261 mm (L) x 147 mm (W) x 165.5 mm (H)
Power per MIL-STD-1275	28 VDC, 26 W max
Interfaces	1553(RT), RS422, fast ethernet, ARINC 423, configuration discrete
	MIL-STD-810F and MIL-STD-461E
Environmental conditions	-40°C to +71°C

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