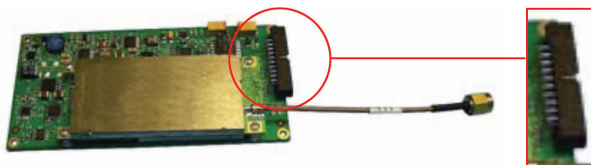


UAV Systems and Components

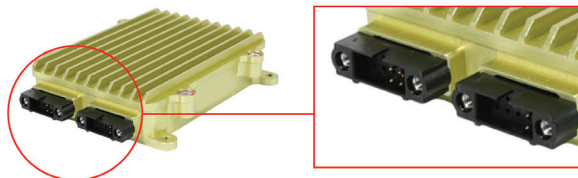
Transceivers



Digital data link for a robust uplink/downlink for unmanned vehicles & video surveillance

Assisting in providing situational awareness to strategic assets, with minimized size/weight/power consumption

Featuring: Datamate J-Tek

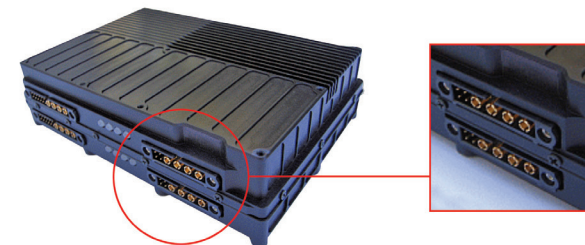


Miniature, high power, long range broadband wireless communication system, with simultaneous transmission of video & telemetry

Unmanned BVLoS (Beyond Visual Line of Sight) missions with wireless control

Featuring: Datamate J-Tek

Power Management

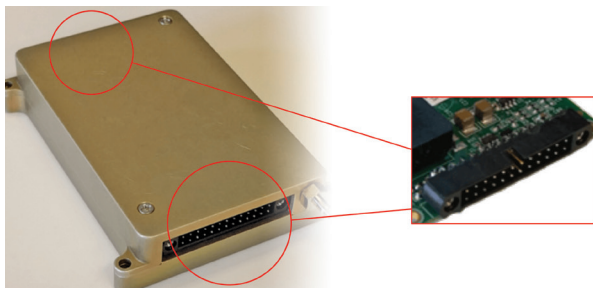


On-board electrical power generation, battery management and power distribution for small to medium-sized UAVs

Dual battery inputs, control & monitoring interfaces

Featuring: Datamate Mix-Tek

Engine Control

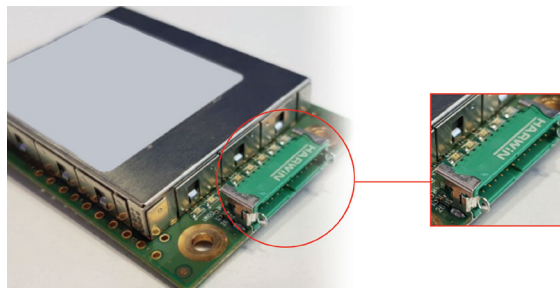


Electronic fuel injection control system for use in small engine aerospace applications

Multiple input and output datacoms, onboard data logging, optional enclosure

Featuring: Datamate J-Tek

GNSS (Global Navigation Satellite Systems)

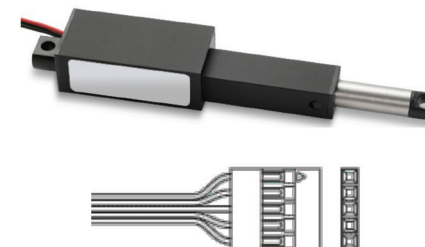


Supports dual-frequency signals from GPS, GLONASS & Galileo systems

Designed for UAV/UAS applications requiring centimeter accuracy in a very small package

Featuring: Gecko Latch

Linear Actuator




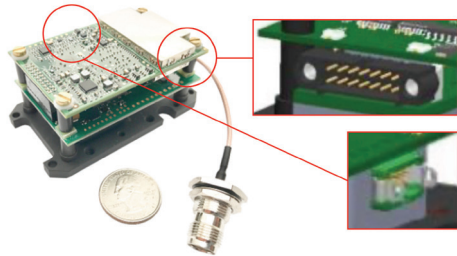
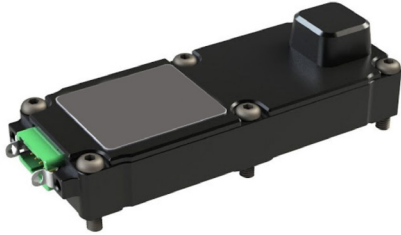
Small design with high power, multiple configuration and control options



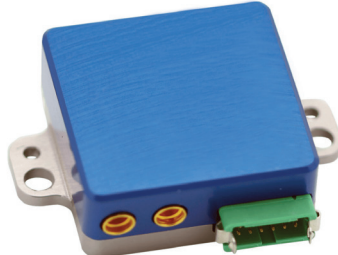
Operation of flight control surfaces in UAVs & drones; controlled movement in robotics, safety & medical equipment

Featuring: 2.54mm Pitch (M20)

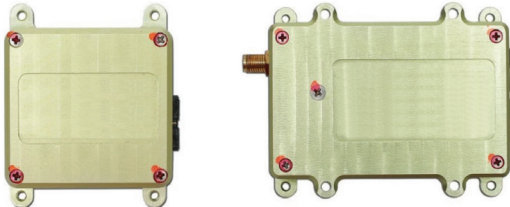

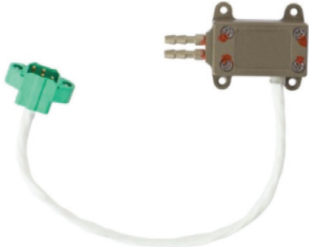
UAV Systems and Components

AHRS (Attitude, Heading & Reference Systems), IMU (Inertial Measurement Unit)

		
<p>Miniature industrial-grade GNSS and Inertial Navigation system (INS) units, combining GPS information with gyros / accelerometers / magnetometers</p>	<p>Single/Dual antenna GNSS receiver, barometer, magnetometers, accelerometers & gyros, plus interfaces to external sensors</p>	<p>3-axes of precision accelerometers, magnetometers & gyros for accurate Heading, Pitch and Roll of the device under measure</p>
<p>Ultra low size/weight/power, 360° operation</p>	<p>Provides accurate Position, Velocity, Heading, Pitch and Roll for any device where mounted</p>	<p>Latch and Screw-lok options, highly accurate and compact design</p>
<p>Featuring: Datamate J-Tek</p>	<p>Featuring: Datamate J-Tek, Gecko Latch</p>	<p>Featuring: Gecko Latch, Gecko-SL</p>

		
<p>Family of IMU solutions with ample performance to support applications from UAS navigation and control to pipeline inspection & surveying</p>	<p>Low Cost MEMS (micro-electromechanical system) IMU with temperature, angular rate and linear acceleration sensor</p>	<p>Miniature calibrated sensor module</p>
<p>Compact lightweight inertial products for defense, commercial and industrial use</p>	<p>OEM and module designs, for autonomous vehicles and ROVs</p>	<p>with IMU, magnetometer, barometer, and onboard L1 GPS (GNSS).</p>
<p>Featuring: Gecko Latch</p>	<p>Featuring: Gecko Latch</p>	<p>Featuring: Gecko Latch</p>

UAV Systems and Components

Autopilot System		
		
Automatic Control System for UAVs less than 15kg, fixed or rotary wing	GPS receiver to attach to the navigation unit for full location control	Data processing unit attached directly to external pitot tube for airspeed information
Ultra light-weight multi-unit system, reduced energy consumption, auto take-off and landing	Low profile module separate from the processing unit for optimal location on UAV	Processed information is then returned to the onboard telemetry unit to complete the full navigation information package
Featuring: Datamate J-Tek, M300	Featuring: Datamate J-Tek	Featuring: M300