



EGRM

PROVEN AND RELIABLE.
GPS AND SBAS SIGNAL PROCESSING
FOR TAWS/FMS, AND OTHER SYSTEMS.

Building on systems engineering and integration know-how, FreeFlight Systems effectively implements comprehensive, high-integrity avionics solutions. We are focused on the practical application of NextGen technology to real-world operational needs — OEM, retrofit, platform or infrastructure.

FreeFlight Systems is a community of respected innovators in technologies of positioning, state-sensing, air traffic management datalinks — including rule-compliant ADS-B systems, data and flight management. An international brand, FreeFlight Systems is a trusted partner as well as a direct-source provider through an established network of relationships.

3 GENERATIONS OF EXPERIENCE
BEHIND NEXTGEN AVIONICS

NEXTGEN LEADER. INDUSTRY EXPERT. TRUSTED PARTNER.
SHAPE THE SKIES.



EMBEDDED GPS RECEIVER MODULE

Designed to provide position, velocity, time, and integrity data, the EGRM is a dual GPS and SBAS receiver module for Terrain Awareness Warning Systems (TAWS), Flight Management Systems (FMS), Navigation Management System (NMS), or other airborne devices.

EGRM GPS/SBAS MODULE

SPECIFICATIONS	
Model	EGRM
Type	Embedded GPS and SBAS receiver
Performance	Complies with DO-229D
CERTIFICATIONS	
System	TSO-C145d
Environmental	DO-160F
Software Assurance	DO-178B Level C
Installation Approvals	Approved for ADS-B MLAT requirements
PHYSICAL CHARACTERISTICS	
Size	6.6" W 0.55" D 3.937" H
Weight	>0.62 lbs (0.28 kg)
Interface	ARINC 429, ARINC 743B, RS-232
Operating Temp	-40°C to +85°C
Operating Humidity	95% at 50°C
Cooling	Ambient air
ADS-B Transponder Compatibility	APX-119 *Any ARINC 743A compliant ADS-B Transponder
Input Voltage (Steady State)	5 VDC

*STC's available.
Contact sales for additional details.

The EGRM is designed to provide position, velocity, time, and integrity data in ARINC 743B digital format to Terrain Awareness Warning Systems (TAWS), Flight Management Systems (FMS), Navigation Management System (NMS) or other airborne devices. The EGRM will navigate worldwide by processing Global Positioning System (GPS) and Satellite Based Augmentation System (SBAS) signals.

For additional product information and specifications, please contact our Sales Team at +1.254.622.0000

