

SBAS/GNSS

ROBUST AND RELIABLE.
HIGH-INTEGRITY POSITION SOURCE
FOR GENERAL AND BUSINESS
AVIATION AIRCRAFT.

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.



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1201C SBAS/GNSS SENSOR

Small, lightweight, and easily installed, the 1201C integrates with existing Mode S Extended Squitter transponders to enable compliance with ADS-B Out equipage requirements. The 1201C is characterized by high performance and operational reliability and longevity.

1201C SBAS/GNSS SENSOR

SPECIFICATIONS

Model	1201 C
Type	15-channel GPS receiver
Position Update Rate	5 times per second output at one/second
Velocity	1,000 knots, steady state
Performance	Complies with DO-229D

CERTIFICATIONS

System	TSO-C145c (Beta 1)
Environmental	DO-160G
Software Assurance	DO-178 Level C DO-254 Level C
Installation Approvals	Approved as ADS-B position source as defined in AC 20-165B

PHYSICAL CHARACTERISTICS

Size Sensor	5.1" W 5.5" D 1.7" H
Antenna	3.0" W 4.7" D 0.8" H
Weight Sensor	0.8 lbs
Antenna	0.5 lbs
Interface	RS-232
Operating Temp Sensor	-40°C to +70°C
Antenna	-55°C to +85°C
Operating Humidity	95% at 65°C
Input Voltage	10 - 40 VDC (operational)
Input Current	0.3 A at 28 VDC

The FreeFlight Systems' 1201C SBAS/GNSS sensor is intuitive - upon configuration, the system begins outputting data as soon as power is applied. The remote-mount 1201C sensor will be certified to meet ADS-B and RNP accuracy, integrity, and availability requirements worldwide. Along with the 1203C, the 1201C is part of FreeFlight Systems' robust and reliable SBAS/GNSS sensors available for all categories of aircraft.

For additional product information and specifications, please contact our Sales Team at +1.254.662.0000.



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