SAFE AND SECURE SKIES

ACSS® An L3Harris & Thales Company

L3HARRIS™

NXG-900™ GPS

WAAS/SBAS Compliant GPS Source

Designed and manufactured by ACSS, an L3Harris Technologies and Thales Avionics company, the NXG-900 is a global GPS solution containing an integrated receiver that provides critical aircraft information, including position, velocity, and ground track for ADS-B Out messages. The NXT-900 is a Wide Area Augmentation System (WAAS)/Satellite-Based Augmentation System (SBAS) using signals from the GPS satellite constellation and SBAS including WAAS, European EGNOS, Indian GANAN, and Japanese MSAS and is compliant with ADS-B position source requirements of AC 20-1380 and AC 20-165B. The NXG-900 provides an ARINC 743A based output, while meeting Part 25 aircraft environmental levels.

Purchased as a commercial-off-the shelf package, the NXG-900 is used with a single, or dual NXT-600, NXT-700, or ATDL Mode S transponders providing aircraft operators with a simple and affordable path to satisfy the ADS-B mandates established by the FAA and EASA.

A distinct advantage of the NXG-900 is the ability to access subscription-free Weather (FIS-B) through a Wi-Fi dongle interface to mobile applications on Android, iOS and Windows. FIS-B weather products include NEXRAD, CONUS NEXRAD, METARs, TAFs, PIREPs, winds and temperatures aloft, NOTAMs, AIRMETs and SIGMETs.

KEY FEATURES

- Rule compliant position source
- ADS-B In providing 978 MHz UAT, Free Weather (FIS-B)
- WiFi dongle interface module to compatible mobile applications (Android, iOS, Windows)
- NXG-900 is certified to TSO-C145c, TSO-C154c and TSO-C157a

DISCOVER MORE:

www.L3Harris.com/avionics

SPECIFICATIONS

NXG-900	
Part Number:	9009000-55000
PHYSICAL DESCRIPTION	
Size (inches):	2.29" (H) x 4.78" (W) x 6.50" (L)
Weight:	1.6 lb.
Mounting:	4-point Flange Mount
Cooling:	Passive
CERTIFICATION	
Environmental:	DO-160G
TSO/ETSO:	C145c, C154c, C157a
Software:	DO-178B Level C
ADS-B Capability:	ADS-B In per DO-260B (for FIS-B)
GPS Capability:	Class Beta-1 per RTCA DO-229D
Operating Altitude:	Sea Level to 55,000 ft NOTE: UAT capability is restricted to 24,000 feet or below
Operating Temperature:	-55 to +70° C
Power:	28VDC
Power Consumption:	8.9 Watts (nominal), 11.5 Watts (maximum)
No. of Antenna Ports:	2 (GPS & L-Band/UAT)
INTERFACES	
Diagn. Tool Interface:	Mini-USB or Wi-Fi
Mobile Applications:	Wi-Fi
Transponder Interface:	Compatible ACSS Transponders

ADS-B/NEXTGEN AVIONICS

As part of our mission to provide avionics that enhance safety, situational awareness and efficiency, ACSS has led the industry in the development of avionics based on Automatic Dependent Surveillance-Broadcast (ADS-B) technology. ADS-B is the cornerstone technology for the NextGen air traffic management system.

In addition to Mode S Transponders that transmit precise ADS-B Out position, speed and intent data to nearby aircraft and ATC, ACSS has a suite of SafeRoute+® ADS-B In applications. They include Interval Management, In-Trail Procedures (ITP), CDTI-Assisted Visual Separation (CAVS) and Surface Area Movement Management (SAMM). SafeRoute+ capability is an option available in the TCAS 3000SP and the T^{3}CAS™ platforms.

NXG-900 GPS

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

19810 N 7th Ave.
Phoenix, AZ 85027
t (623) 445-7070
www.L3Harris.com/avionics