

# SKYTRAC ISAT-200A

## Industry-leading, all-in-one system for:

- Air-to-ground voice and text communications
- Flight Following and intelligent, real-time alerts
- FOQA/MOQA reporting & advanced business decisioning
- Onboard data storage



DVI & CDP COCKPIT INTERFACE



ISAT-200A TRANSCEIVER & ANTENNA

**SKYTRAC** <sup>2</sup>/<sub>1</sub>  
GREATER VISION  
BETTER DECISIONS

## ISAT-200A FEATURES:

- Satellite transmissions powered by Iridium® for reliable, worldwide coverage
- Multiple analog/digital/discrete inputs, and flexible connectivity (ARINC-429, ARINC-717, RS-232/485/422)
- Internal back-up battery for continued communication and data logging during power-out conditions
- USB quick-access port for easy data downloads and firmware upgrades
- User defined reporting intervals
- Customizable event sets for automating emergency alerts
- Ability to interface with cockpit audio panels and headsets
- Intuitive 8-character programming display

For further details please contact:

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## Description

The SKYTRAC ISAT-200A is a full-featured GPS and Iridium® transceiver that provides 4D position reporting and 2-way messaging with global coverage in near real time. The ISAT-200A is fully integrated with SKYTRAC's signature SkyWeb cloud-based data management portal which includes modules for real-time flight tracking, voice or text messaging, automated emergency alerts, and systems performance trending & analysis. The ISAT-200A is also compatible with optional cockpit voice interface, full duplex satphone and other onboard hardware accessories. It is a core component in a system that extends unprecedented insight into fleet activities at all times.



The ISAT-200A includes a GPS (Global Positioning System) receiver, an L-Band transceiver specifically designed to communicate with the Iridium® satellite system, a Lithium-ion battery to enable communications with the satellite system after airframe power shutdown, and a battery charging system. Control and interfacing are provided with a low power, single-board computer. Data can be sent between an aircraft and any point in the world with internet access via the Iridium® Low Earth Orbit (LEO) satellites.

Base software displays current and historical position data including latitude, longitude, GPS time, relative position (to a known way point), ground speed, altitude and heading, in tabular format and on a map. Airtime, flight time, ETA, distance travelled, time elapsed and other flight data is also displayed for instant viewing. Flight reports can also be generated by unit and Operationally, the ISAT-200A can complement flight following requirements for commercial operators and provide vital position data and messaging services to those operators conducting flight activities in remote areas. The unit supports up to two RS-232 serial ports, up to two RS-485 ports, Ethernet, three analogue inputs, ARINC429, ARINC717, frequency inputs, discrete inputs/outputs, audio channels, audio recorder, and more.