



ISAT-200A - SKYTRAC's classic flight data acquisition and narrowband Iridium Satcom solution

UP TO
2.4
kbps
UPLINK

UP TO
2.4
kbps
DOWNLINK

Value-Added Partner to Iridium®

Enable multiple capabilities with a cost-effective and powerful Satcom and onboard server solution.

SKYTRAC satellite transceivers and on-board servers harness the world's only true pole-to-pole satellite network, allowing operators 99.9% global uptime, no matter the location. This reliability allows mission-critical operations in EMS, SAR, offshore oil and gas, scientific exploration, military, scheduled airline industries, and more to perform when the mission gets tough.

SKYTRAC has over 7,500 users around the globe on all seven continents and ensures long-term support to all customers and partners. Our AS9100D designation ensures leading global brands can trust our systems to perform reliably. In addition, we have cultivated strong partnerships with major OEMs across the globe, proving advanced capabilities and integrability.

Key Figures

SATCOM Expertise	34+ Years
SKYTRAC Users	7,500+ Users
Systems Certified	900+ Airframes
Global Clientele	7 Continents / 100+ Countries

» **Discover SKYTRAC**
 Over its 30 year history, SKYTRAC has become the partner of choice for data-guided business insights. As an Iridium Aviation Partner, SKYTRAC is well-positioned to leverage Iridium Certus broadband to provide operators with leading capabilities.



SKYTRAC is part of the ACR Group of companies.



Applications: Medical Data Transfer for EMS



Applications: OLMS/ATIS Solutions for Aerial Firefighting

ISAT-200A SATCOM TRANSCEIVER

SKYTRAC's ISAT-200A is a unique, all-in-one platform designed for fixed-wing and rotor-wing aircraft. Operating on the Iridium L-band network, its globally available narrowband connectivity supports 2.4 kbps uplink and 2.4 kbps downlink bandwidth. Its flight data acquisition capabilities enable operators to satisfy cost-effective flight following and FOQA/MOQA requirements, as well as voice and text communications through the powerful SkyWeb platform.

Capabilities include:

- Flight Following
- Flight Data Monitoring and Alerting
- Medical Data Transfer
- OLMS/ATIS
- Voice and Text Communications
- Real-time HUMS Alerting
- Push-to-Talk Communications
- Electronic Flight Bag Automation
- Engine Trend Monitoring

Don't see what you're looking for? To learn about custom application development, contact sales@skytrac.ca

INDUSTRY SEGMENTS

The #1 Option for Iridium Connectivity

SKYTRAC serves the largest organizations in multiple industry verticals. With 7,500+ global customers on all seven continents, we ensure our products and services are highly reliable and are trusted by those that rely on us for mission-critical applications. Our solutions are designed for both fixed-wing and rotary-wing applications.

We serve the following industries:

- Aerial Firefighting
- Airlines
- Business Aviation
- Emergency Medical Services
- Government
- Scientific Exploration & Research
- Search and Rescue
- Tourism
- UAV
- Law Enforcement
- Military & Coast Guard

Do you need STCs for your aircraft? To learn about STC development, contact sales@skytrac.ca

ACCESSORIES

Do More with Less

The ISAT-200A's all-in-one design allows you to do more out of the box with less.

MTC-100



SKYTRAC's MTC-100 is a reliable solution for connecting air and ground crews via satellite voice and text. The system includes pre-programmable speed dial numbers, customizable screens for operator and mission-critical applications, NVIS compliance for use in night-time conditions, and more.

For more information, contact a connectivity expert at sales@skytrac.ca

Inflight Cameras



Discreetly record hours of high-resolution cockpit audio-visuals. Pair with up to four lenses in any combination.

SKYTRAC Iridium Antenna



Provide your aircraft with globally reliable connectivity for true pole-to-pole operations.



ISAT-200A DATA SHEET

GLOBAL IRIDIUM TRANSCEIVER



Intuitive 8-character programming display

USB port for quick-access data downloads and firmware upgrades

Internal battery for continued operation in emergency power-out conditions

Multiple flexible analog/digital/discrete inputs - supports ARINC-429, ARINC-717, RS-232/485/422

ITRAY "smart" mount retains configuration information for easy hardware maintenance & replacement

PRODUCT SPECIFICATIONS

IRIDIUM SERVICES

SBD, SMS, RUDICS

OPERATING FREQUENCY

1616 MHz to 1626.5 MHz

POWER REQUIREMENTS

10 VDC to 32 VDC

POWER CONSUMPTION

28V powerL 0.5 A typical, 1.5 A in transmission

AUDIO OUTPUT

150 mW min. into 600 or 300 Ohms

AUDIO INPUT

MIC Audio Input

0.007 to 0.7Vrms @ 500 Ohms impedance

Panel Audio Input

0.1 to 5Vrms @ 500 Ohms impedance

Cockpit Audio Recorder Input

3.5 or 14Vrms max

OPERATING TEMPERATURE

-4°F to 131°F (-20°C to +55°C)

SHORT TERM OPERATING TEMPERATURE

-40°F to 158°F (-40°C to +70°C)

DIMENSIONS

H x W x D = 5.24" x 3.90" x 13.30"

WEIGHT

5.52 lbs (2.51 kg) Max.

COOLING

Normal Air Circulation

ENVIRONMENTAL TESTS

DO-160 Revision G

PRODUCT HIGHLIGHTS

- Enable multiple capabilities with an all-in-one Satcom solution
- Gain unprecedented onboard data logging and real-time analytics
- Guarantee global satellite coverage with a small form factor GPS/Iridium Antenna
- Enable Wi-Fi in cockpit with the DAL-200, an optional onboard in-flight Wi-Fi Access Point
- Capture internal and external audio visual with rugged, discreet camera kits
- Gain cost-effective Satcom connectivity with Iridium narrowband bandwidth

Specifications subject to change. Contact sales@skytrac.ca for latest revision.