

ISAT-200A

ISAT-200A - SKYTRAC Narrowband Satcom and Flight Data Acquisition Terminal with Onboard Server



UP TO	UP TO
2.4	2.4
kbps	kbps
UPLINK	DOWNLINK

Enable multiple capabilities, including Medical Data Transfer, 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.



Discover SKYTRAC

Over its 35 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 the Iridium network to provide operators with leading capabilities.

Key Figures

SATCOM Expertise	35+ Years
SKYTRAC Customers	800+ Customers
Systems Certified	900+ Airframes
Global Clientele	7 Continents / 100+ Countries



SKYTRAC is part of the ACR Group of companies.

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
- Acquire flight data for compliant FOQA/FDM and Safety Management Systems
- 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.