SDL-350

SDL-350 - The SKYTRAC Satcom System Optimized for Broadband Speeds; Unlock Iridium Certus® Today

iridium® connected

UP TO
352
kbps
UPLINK

UP TO
704
kbps
DOWNLINK

Enabling Satcom capabilities in challenging industries and environments has been the cornerstone of SKYTRAC's business success since the company was founded in 1986.

Our flagship satellite transceiver and on-board server harnesses the world's only true pole-to-pole satellite network, allowing operators 99.9% global uptime. This reliability allows mission-critical operations in EMS, SAR, offshore oil and gas, scientific exploration, military, and scheduled airline industries 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.

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 Iridium Certus broadband to provide operators with leading capabilities.

Key Figures

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

SKYTRAC is part of the ACR Group of companies.

Applications: Real-Time Alerting and Data Offloading

Applications: Offshore EO/IR Imaging and Streaming

SDL-350 CAPABILITIES

SKYTRAC'S 2-MCU Satellite Data Unit, the SDL-350, features bold new capabilities and a 150x multiplier in bandwidth set to enable the next generation of pole-to-pole connectivity. The SDL-350 facilitates live video streaming, telemedicine, in-flight entertainment (IFE), and advanced graphical weather to the cockpit. Track fleet activity across the globe, automatically detect in-flight events, and capture robust data to feed your FOQA, MOQA, SMS and other operations systems.

Capabilities include:

- Built-in Wi-Fi & Cellular Connectivity
- EO/IR Imaging
- FDR Streaming
- Flight Data Acquisition
- Graphical Weather
- IFE for VIP & Business Users

- Image & Large File Transfer
- Live Video Streaming
- Real-Time Alerts
- Telemedicine
- VoIP Communications

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

INDUSTRY SEGMENTS

The #1 Option for Global L-Band Satcom

SKYTRAC serves the largest organizations in multiple industry verticals. With 7,500+ global installations on all seven continents, we ensure our products and services are highly reliable and are trusted by those that depend 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
- Air Transport
- Business Aviation
- Emergency Medical Services

- Law Enforcement
- Military and Government
- Tourism
- UAV

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

ACCESSORIES

MULTI TOUCH CONTROL (MTC-100)

SKYTRAC's MTC-100 is a cockpit or cabin interface 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.
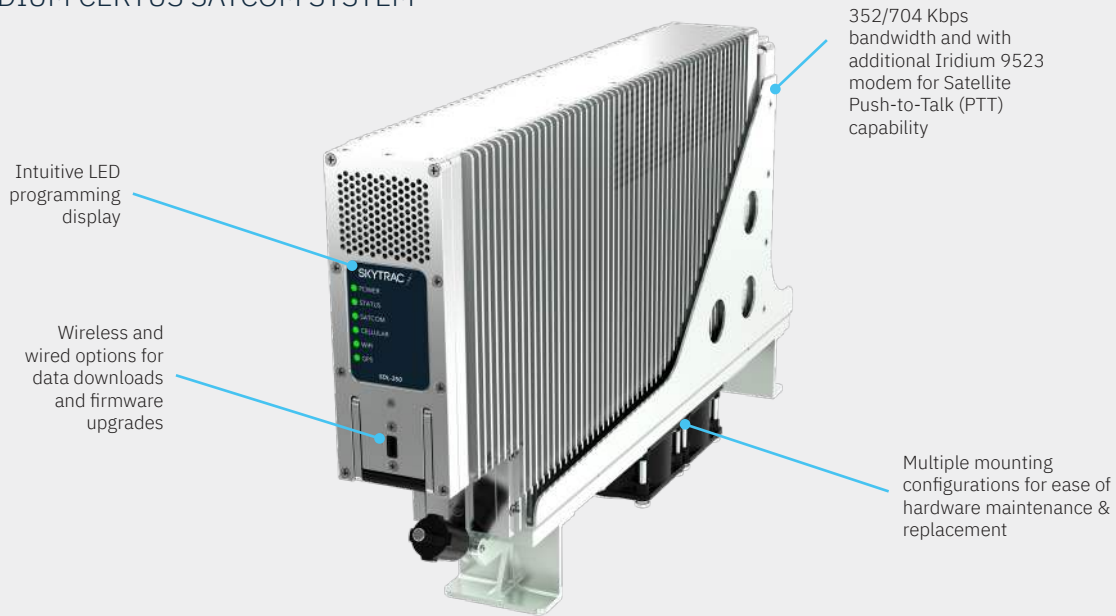
INFLIGHT CAMERAS (Eye in the Sky)

Equipped with a synchronized GPS, the Eye in the Sky (EITS) provides accurate aircraft position, altitude, ground speed, G-force, and heading details. A battery unit ensures data capture for up to two minutes after shutdown or in the case of power loss. The captured parameters are found on a secure SD card within a crash-resistant and tamper-proof housing.

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

SDL-350-02 DATA SHEET

2-MCU IRIDIUM CERTUS SATCOM SYSTEM

352/704 Kbps bandwidth and with additional Iridium 9523 modem for Satellite Push-to-Talk (PTT) capability

Intuitive LED programming display

Wireless and wired options for data downloads and firmware upgrades

Multiple mounting configurations for ease of hardware maintenance & replacement

PRODUCT SPECIFICATIONS

IRIDIUM SERVICES
Iridium Certus, PTT

POWER CONSUMPTION
28 V power

DIMENSIONS
H x W x D = 7.64" x 2.23" x 15.16" (Mounted)

WEIGHT
8.15 lbs (3.7 kg) LRU
9 lbs (4.08kg) Mounted

ENVIRONMENTAL TESTS
DO-160 Revision G

TECHNICAL INTERFACES
Iridium Certus Class 350/700
Cellular and Wi-Fi Connectivity
GNSS GPS
Ethernet Interfaces x2
Discreet Output x1
Audio Interface x1 (Analog, for PTT)
Maintenance Interface
RS-232
On Roadmap:
  ARINC-429
  ARINC-717
  ARINC-485

COCKPIT OPERATIONS
• Real-Time Alerting
• Electronic Flight Bag Automation
• Embedded Wi-Fi Access Point
• Intelligence Reconnaissance
• Live Video Streaming
• Real-Time Graphical Weather

OTHER CAPABILITIES
• ACARS Over IP
• Black Box Streaming
• Push-to-Talk (PTT) Voice

SATELLITE, CELLULAR & WI-FI ANTENNAS

These antennas offer a variety of data rates, interfaces, and dimensions, based on your operational profile.

Antenna Class	Description	Data Rates	Interface	Dimensions	Weight
Iridium/GPS Low Gain	Aviation Combo Iridium Omni and GPS Antennas	Iridium Block 1 2.4 kbps (Bi-Directional)	TNC Female Single Coax	5.0" x 2.2" x 0.7" (19.9 cm x 7.6 cm x 5.0 cm)	240 g (8.5 oz.)
Certus 350 Active High Gain	Aviation Steered Beam Antenna (TSO)	Certus 350 352/704 kbps Tx/Rx	TNC Female Single Coax	9.1" x 4.3" x 2.3" (23.1 cm x 11.0 cm x 5.7 cm)	2.3 kg (5.1 lbs.)
Certus 200 Active Low Gain	Aviation Powered Omni Antenna (TSO TBD)	Certus 200 176 kbps (Bi-Directional)	TNC Female Single Coax	7.9" x 3.0" x 2.0" (19.6 cm x 7.6 cm x 5.0 cm)	1.4 kg (3.1 lbs.)* *These dimensions and weight are notional and TBD
Cellular/Wi-Fi Combo	Aviation Antenna for Optimized Connectivity	Data rates are network dependent; Supports up to 4G/LTE	Two TNC Female Single Coax	5.3" x 2.1" x 3.0" (13.6 cm x 5.3 cm x 7.6 cm)	190 g (6.7 oz)
Hotspot Wi-Fi	Internal Wi-Fi Hotspot for Cockpit and Cabin	Data rates are network dependent; Supports up to Wi-Fi 802.11ax	SMA Male Connector	2.1" x 2.1" x 0.7" (5.3 cm x 5.3 cm x 1.8 cm)	74 g (2.6 oz)

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