SKYLINK 7100 - Iridium Certus®
Midband IP Datalink Solution for Aviation Operations

iridium® connected

UP TO **22** kbps UPLINK

UP TO **88** kbps DOWNLINK

Cloud-based device and user management platform delivering data and voice for global satellite and cellular connectivity.

SkyLink 7100 delivers next generation, global satellite and cellular technology to support voice and data for aviation.

This compact and versatile communications terminal offers 4G/LTE and Iridium Certus broadband satellite technology, switching between each datalink with least-cost routing software. SkyLink 7100 enables enterprise-grade IP connectivity along with two dedicated high-definition voice channels.

The SkyLink 7100's small size allows for easy integration and installation on aircraft or the ability to be used as a transferrable portable device. An optional rechargeable backup battery offers up to 6 hours of continuous power for off-grid sites, power outages, or remote operations. Enjoy constant connectivity anywhere on the planet.

Key Capabilities and Product Highlights:

- Enable **4G/LTE and Iridium Certus** midband connectivity
- Switch between cellular and satellite connectivity using **least-cost routing software**
- Integrate with **SkyWeb and TrooTrax** for flight tracking, monitoring, and communication
- Access reporting features to track and manage data usage, positioning, device health, and more
- **Low SWaP** for easy install on a variety of aircraft
- Support **Beyond Visual Line of Sight (BVLOS)** and autonomous communications
- Support **VoIP, and messaging apps**, with the capabilities to support up to 20 SIP clients
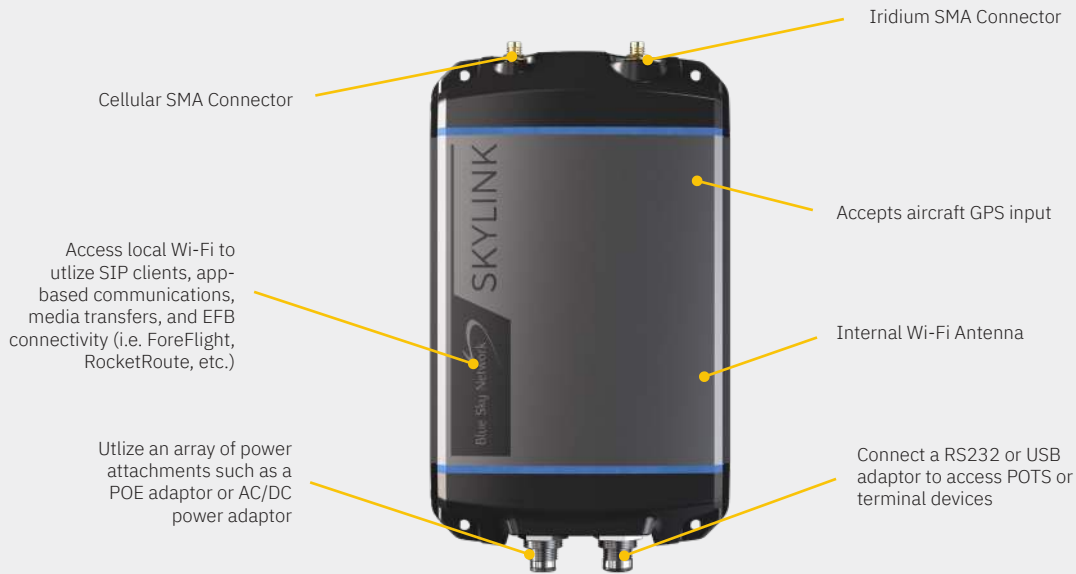
SKYTRAC is part of the ACR Group of companies.

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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.

DO 160G CERTIFIED DO 160G

*DO 160G Cerficiation applies to the terminal only, not to potential add-ons

skytrac.ca
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SKYTRAC

SKYLINK 7100 DATA SHEET
GLOBAL IRIDIUM DATA GATEWAY

Iridium SMA Connector

Cellular SMA Connector

Accepts aircraft GPS input

Access local Wi-Fi to utlize SIP clients, app-based communications, media transfers, and EFB connectivity (i.e. ForeFlight, RocketRoute, etc.)

Internal Wi-Fi Antenna

Utlize an array of power attachments such as a POE adaptor or AC/DC power adaptor

Connect a RS232 or USB adaptor to access POTS or terminal devices

PRODUCT SPECIFICATIONS

IRIDIUM SERVICES
Iridium Certus

POWER REQUIREMENTS
10 VDC to 34 VDC

POWER CONSUMPTION
18W peak power, 7W nominal

OPERATING TEMPERATURE
-40°F to 158°F (-40°C to +70°C)

ENVIRONMENTAL
IP65 Compliant

DIMENSIONS
H x W x D = 5" x 8" x 1.25"
(12.7 x 20.3 x 3.2 cm)

WEIGHT
1.6 lbs (0.73kg)

ENVIRONMENTAL TESTS
DO-160 Revision G

CONNECTIVITY

- Iridium Certus Satellite
- Cellular and Wi-Fi connectivity
- GNSS positioning/tracking
- Ethernet, USB, RS232
- Least-cost routing
- Remote device management
- Diagnostics and health monitoring
- Data analytics and edge computing
- Integration with fleet management tools

ANTENNAS

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

Application	Antenna Class		Description	Data Rates	Interface	Dimensions	Weight
Manned Aircraft	Iridium Certus Low Gain Antenna (LGA)		Iridium Certus Aviation Antenna	Iridium Certus 100; 88 Kbps Download 22 Kbps Upload	TNC Female Single Coax	ø 3.50" (ø 8.89 cm)	0.17kg (0.375 lbs.)
Manned Aircraft	Cellular & Wi-Fi Antenna		External Aviation Antenna	Up to 50 Mbps Download Up to 10 Mbps Upload	TNC Female Single Coax	5.30" x 2.10" x 3.00" (13.60 cm x 5.30 cm x 7.60 cm)	0.190kg (0.419 lbs.)
UAV	Iridium Certus Low Gain Antenna (LGA)		Iridium Certus Helical Antenna	Up to 88 Kbps Download Up to 22 Kbps Upload	SMA Male Connector	1.93" x ø 0.75" (4.9 cm x ø 1.9 cm)	0.011kg (0.024 lbs.)
UAV	Cellular Antenna		Cellular Connectivity (3G/4G, LTE)	Up to 50 Mbps Download Up to 10 Mbps Upload	SMA Male Connector	5.67" x ø 0.51" (14.4 cm x ø 1.3 cm)	0.018kg (0.04 lbs.)

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

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