

SATELLITE TRACKING AND COMMUNICATIONS

with the Sky Connect Tracker III Advanced (T3A)

Global Satellite Tracking and Communications Supporting Real-Time Aircraft Tracking and Fleet Awareness

Sky Connect is a complete Iridium® satellite tracking and communications system that enables worldwide aircraft tracking, two-way text messaging, and always-available voice communications into a single satellite-based solution. This enables operators to actively manage fleets, maintain situational awareness, and support operational decision-making anywhere in the world.

Sky Connect delivers real-time aircraft visibility worldwide using the Iridium® satellite network. The system enables seamless crew communications through concurrent talk, text, and tracking, with always-available voice and two-way text communications to support operations.

Operators can view aircraft location, flight plans, and messages in real time through a web-based mapping interface. Sky Connect also provides Last Position Vector (LPV) reporting after power loss and supports maintenance insight through flight data monitoring.



UP TO 2.4 kbps UPLINK	UP TO 2.4 kbps DOWNLINK
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CAPABILITIES



Hi-Res Path Data Recording



Integrated Dual ARINC-429 Interfaces



Cellular & Satcom Connectivity



Swappable LRU for Easy Install



Shared Antenna for Iridium & GPS



Truly Global Connectivity



Transmit High-Res Position Data



Web Installation Configuration



POTS or 4-Wire Audio Options



Over-the-Air Configuration

DISCOVER SKYTRAC

With 40 years of experience, 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.

SATCOM EXPERTISE	40 Years
SKYTRAC CUSTOMERS	800+ Customers
SYSTEMS CERTIFIED	900+ Airframes
GLOBAL PRESENCE	7 Continents / 100 Countries

SKY CONNECT TRACKER III ADVANCED DATA SHEET

Voice, Data, and Cellular Transceiver Kit

Know the aircraft's final position after power loss with LPV reporting

Maintain real-time aircraft visibility worldwide using the Iridium® satellite network

Communicate with crews through concurrent talk, text, and tracking



The new LRU fits existing installation trays, simplifying upgrades for current Sky Connect customers

PRODUCT SPECIFICATIONS

IRIDIUM SERVICES

Voice, Tracking and Messaging

POWER REQUIREMENTS

12-32 VDC
2.5 Amp @ 28VDC, 3.5 Amp @ 14VDC

DIMENSIONS

26 cm x 7.3 cm x 12.1 cm (L x W x H)
(10.25" x 2.9" x 4.8")

OPERATING TEMPERATURE

-55°C to +70°C (-67°F to +158°F)

ENVIRONMENTAL QUALIFICATIONS

DO-160 Revision F

WEIGHT

1.7 kg (3.8 lbs)

ANTENNA

Iridium antenna, dual element Iridium, or dual element Cellular/Iridium antenna available.

TECHNICAL INTERFACES

POTS (Plain Old Telephone Service) / 4 Wire Audio output
5 ea. RS232 Ports (Msg, GPS/Aux, PC, Sim1/2)
2 ea. ARINC 429 Inputs, 1 ea ARINC 429 Output
8 ea. discrete inputs 0-36VDC. Sink 200ma Max.
4 Discrete outputs, Max Voltage, 36VDC, sink 200ma
1 ea. USB - PC Data connection
1 ea. Ethernet Port for configuration

ACCESSORIES



MMU-II

Provides two-way text messaging with pre-stored messages and immediate message display, with the ability to recall messages received during flight.



MCT

Ultra-compact controller for voice, PTT, and messaging with USB power port, secure audio recording, and additional FDM inputs.

DIMENSIONS

14.5 cm x 4.8 cm x 12.7 cm
(5.7" x 1.9" x 5.0")

POWER

10-32 VDC

WEIGHT

0.3 kg (0.8lbs)

DIMENSIONS

14.7 cm x 3.6 cm x 4.6 cm
(5.8" x 1.4" x 1.8")

WEIGHT

0.1 kg (0.3 lbs)

ANTENNAS



Dual Iridium Antenna

DIMENSIONS

19.9 cm x 7.6 cm x 2.2 cm
(7.9" x 3.0" x 0.9")

CONNECTORS

2x TNC (both Iridium)

OPERATING TEMPERATURE

-55°C to +71°C (-67°F to +160°F)

WEIGHT

0.45 kg (1.0 lbs)



Dual Iridium/LTE Antenna

DIMENSIONS

19.9 cm x 7.6 cm x 90.2 cm
(7.9" x 3.0" x 3.6")

CONNECTORS

3x TNC (2 Iridium, 1 Cellular)

OPERATING TEMPERATURE

-55°C to +85°C (-67°F to +185°F)

WEIGHT

0.54 kg (1.2 lbs)