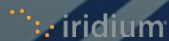


705

DL150 Satellite Data Unit - Iridium Certus Satellite Connectivity for FANS 1/A+ Compliance

 Value-Added Partner to Iridium®

Next Generation Satellite Service System Developed to Exceed Industry & Regulatory Standards for FANS 1/A+

Latitude Technologies' DL150 Satellite Data Unit (SDU) provides the satellite connectivity for a FANS 1/A+ CPDLC system, supporting retransmission of Satcom messages. The DL150 enables you to meet the requirements of AC20-140C.

The DL150 SDU acts as a communications link for a FANS compliant FMS via an ARINC 741 interface. The Iridium network is an ideal choice for global CPDLC, supporting the reliable delivery of data anywhere on the planet, including the poles.

The TSO-159b approved DL150 is unique in that it can also be configured as a fully independent flight tracking and event reporting device with the addition of a GPS antenna.



Discover Latitude

Latitude designs and manufactures leading Iridium Satcom terminals for flight data monitoring, flight following, satellite data link, and voice communications. Latitude has produced industry-leading avionics for over 20+ years.

Key Figures

SATCOM Expertise	20+ Years
Industry Adoption	2,500+ Installation
Systems Certified	900+ Airframes
Global Presence	7 Continents / 100+ Countries



Latitude Technologies is part of the ACR Group of companies.



Applications: ATCs will continue to limit busy and favorable routes to FANS-equipped aircraft.



Applications: The DL150 can be configured as a fully independent flight tracking and event reporting device.

DL150 SATELLITE DATA UNIT

Supporting CPDLC, ADS-C, and ACARS satellite Data Link services, Latitude's DL150 enables satellite connectivity for Future Air Navigation Systems (FANS 1/A+). Meeting AC20-140C guidelines, the DL150 allows the capture and retransmission of satcom messages required for a FANS compliant FMS via ARINC 741 interfacing. Already scheduled into operation, ATCs will continue to limit busy and favorable routes to FANS-equipped aircraft approaching its 2020 implementation date.

The DL150 FANS Data Link unit is a lightweight multi-functional Satellite Data Unit (SDU) that can be complemented with Latitude's TSO'd single channel Air Traffic Services (ATS) Safety Voice unit, the SkyNode S200-012. The DL150 is a design-approved Next Generation Satellite Services System (NGSS) and is unique in that it can be configured as a fully independent flight tracking and event reporting device.

Qualifications:

- CAN-TSO-C159b, Class AES2-4/LBT
- DO-262B compliant
- DO-178C Level D
- DO-160G Env. Cat. [F1]XBAB[SM] XXXXXXZBBB[BC]SMXXXAX
- ARINC GLOBALink™ AQP
- SITA AIRCOM® VAQ

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

INDUSTRY SEGMENTS

The #1 Option for Global L-Band SATCOM

SKYTRAC and Latitude serve 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 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 learn about STC development, contact sales@latitudetech.com

OPTIONAL ACCESSORIES

SkyNode S200



The Latitude SkyNode S200-012 is a robust, Iridium-based Satcom system that meets the requirements for Long-Range Communication Systems (LRCS) for Air Traffic Services (ATS) safety services communication. The system features multiple voice communication interface options including a Dual A739 MCDU interface for airlines and single CDU for business jets.

MTC-100 Dialing Control



The MTC-100 is a multi-function cockpit display appliance providing a touch screen interface, a 4-way joystick with a rotary knob, and a Wi-Fi/BTLE connection for flight crew and maintenance personnel interaction. Intended to replace legacy dialing and control devices.



For more information, contact a connectivity expert at sales@latitudetech.com

DL150 DATA SHEET

Satellite Data Unit for FANS 1/A+ Compliance

As a TSO-159b approved unit, the DL150 meets AC20-140C guidance for FANS 1/A+ compliance.

Small form factor, very lightweight, and configurable to multiple airframe types for easy maintenance

Multiple mounting configurations for ease of hardware maintenance & replacement



Supports ARINC 429, ARINC 741, ARINC 618/619, RS232, GPS with SBAS

PRODUCT SPECIFICATIONS

POWER REQUIREMENTS

350mA at 28 VDC (max)

DIMENSIONS

6.8" x 4.0" x 1.2" (H x W x D)
17.27cm x 10.16 cm x 3.05 cm

WEIGHT

1.0 lbs (0.454 kg)

OPERATING TEMPERATURE

-45°C to +70°C

ALTITUDE

55,000 ft.

ENVIRONMENTAL QUALIFICATIONS

- RTCA/DO-262B
- RTCA/DO-178C Level D
- RTCA/DO-160G nv. Cat. [F1]XBAB[SM] XXXXXXZBBB[BC]SMXXXAX

TECHNICAL INTERFACES

- ARINC 429: 2 x Tx, 4 x Rx channel pairs
- ARINC741
- ARINC 618/619
- RS232: 2x
- 2 discrete inputs, 3 outputs
- L 1 GPS with SSAS

STCS

- FAA, TCCA, AND EASA STCs available

ANTENNA

Passive LGA Iridium antenna

PRODUCT HIGHLIGHTS

- Take advantage of ATS services that support FANS 1/A+ equipped aircraft
- Small form factor, very lightweight
- Supports Universal Avionics UL8xx CMU, Rockwell Collins RIU/CMU, and Honeywell DMU
- Optional automated flight eventing and tracking (GPS antenna required)
- Built-in 3-axis accelerometer
- Built-in GPS receiver
- Additional serial ports and I/O for automated event reporting

Specifications subject to change. Contact sales@latitudetech.com for latest revision.