



FANS-1/A DATA LINK UNIT



Fly Trans-oceanic Routes with Ease:

Qualified Data Link communication capability is an important requirement to achieve FANS-1/A (Future Air Navigation System) compliance for flights over the world's oceanic regions. Satcom Direct FANS-1/A Data Link Unit (DLU) empowers aircraft operators to fly more efficient oceanic routes because they can send and receive communications worldwide, via the Iridium satellite network.

Achieve a Higher Level of Compliance:

A standalone device providing FANS over Iridium (FOI), Satcom Direct's DLU is business aviation's only FANS-1/A system with certified RTCA/DO-178B Level D software, satisfying the latest airworthiness requirements for flight deck data communications.

Compact and Dedicated:

The DLU is highly integrated and compact, simplifying installation. A dedicated standalone unit means cockpit communications are separate from those in the cabin. Upgrades are straightforward—no compromises.

Flexibility Meets Safety:

Unique in its class, the DLU operates with a wide range of legacy and new aircraft Flight Management Systems (FMS) through a standard ARINC data interface over ACARS or AFIS networks. This flexibility facilitates ease of installation, and offers straightforward configuration.

Results that Exceed Expectations:

Satcom Direct's FANS-1/A system simplifies pilot to controller communication, reduces communication errors and increases efficiency in congested airspace.

Broaden Your Horizons:

The Satcom Direct DLU helps you fly more efficient routes in congested air space. FANS-1/A is an impending requirement and a necessity as business and commercial jet traffic continues to grow over the ocean regions. It's fundamental to obtaining efficiency while maintaining safety.





EFFICIENCY AND FLEXIBILITY MEET SAFETY

Aviation's only FAA TSO-C159c approved system for FANS over Iridium (FOI).
Now your aircraft can be FANS-1/A compliant, with the highest level of certification.

PARTICULARS

PART NUMBER: TN1007-100

DIMENSIONS

Length: 8.50 inches / 21.59 cm
Width: 5.13 inches / 12.7 cm
Depth: 1.85 inches / 4.70 cm
Weight: 1.7 lbs / 0.77 kg

FEATURES

- Standalone, compact, and lightweight for flexible installation options
- Compliant at the highest level with the most current standards
- Simplified pilot-controller communications, for more efficient routes in oceanic regions
- Business aviation's only FANS-1/A solution with RTCA/DO-178B Level D software certification

HIGH COMPATIBILITY

Compliant with

- ARINC 429 high or low speed to ACARS or AFIS data-link systems
- ARINC 618 Satcom transport interface ARINC 741
- ACARS MU/CMU Data-2 messages

Compatible with

- Honeywell DMU (AFIS)
- Gulfstream PlaneView
- DFJ EASy Proline 4 and 21
- Rockwell Collins CMU
- Teledyne TeleLink
- Universal UniLink

VITALS

Mounting: Flange mount
Power: 0.1A max @ 28VDC (2.8W maximum)
Cooling: Passively Cooling
Environmental Qualification: RTCA/DO-160E
Software Qualification: RTCA/DO-178B Level D
Requires an externally mounted Iridium antenna meeting TSO-C159 standards

ACARS network compliance

- Satcom Direct FlightDeck Freedom
- ARINC
- Global Data Center (GDC)
- SITA

TO LEARN MORE ABOUT FANS-1/A DATA LINK UNIT

Contact our sales team at +1 321.777.3000

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