Thales FlytLINK® on Iridium Certus℠ Data Sheet

- Reliable satellite communications for **cockpit and crew operations**
- Providing **100% coverage** including oceans and polar regions
- Enabling **essential communications** for **critical operations** and enhanced safety features
- **Future-proofed** solutions for next-generation higher speed services
- Delivering data and voice communications at **low latency**
Thales FlytLINK® on Iridium Certus℠

Delivering critical satellite communications that keep aircraft safe and connected in the air. Designed for Business & Commercial Aviation, Military & Government, Rotorcraft and UAVs.

Thales FlytLINK on Iridium gives your critical aerospace operation global communications coverage. It is the communications solution you can depend on in the air, anytime, anywhere, through a modular, future proofed design.

Thales FlytLINK on Iridium operates using Iridium Certus℠ broadband services over a network of 66 satellites that cover 100% of the globe, including poles and oceans. It utilizes this robust network service to provide easy to install, highly reliable, mobile and essential voice, text and web communications.

The FlytLINK System has two variants to support tailored Customer Operational and Data Service needs globally;
1. FlytLINK Hybrid (4 LRU) for ACD, AISD & PIESD
2. FlytLINK Certus (3 LRU) for AISD & PIESD.

FlytLINK Hybrid provides a Design Assurance Level D Certified System that leverages Thales expertise in Cyber Security to provide secure three-way domain segregation across ACD, AISD and PIESD all in a single System. FlytLINK Certus provides two-way secure domain segregation for AISD and PIESD Services supported by different speed classes.

ACD Safety Services
- Streaming flight data
- Two embedded Iridium 9523 Modules for Safety Services (Hybrid)
- FANS/1A (CPDLC, ADS-C)
- Push-to-Talk (PTT) voice, Cockpit 4-wire voice
- ACARS SBD.

Aircraft Operations
- Integration for enhanced in-air reporting, service logging, flight crew scheduling, aircraft monitoring
- Supports electronic flight bag pairing
- Enables real-time weather and active aircraft tracking
- Embedded 802.11n secured Wi-Fi access point
- 2x 2-wire voice channels
- Caller ID, 3-Way calling, call forwarding
- UAS BVLOS C2 over Certus.

VIP Connectivity Services
- Office in the Sky providing VoIP
- Supports text, e-mail, web browsing, analogue voice and streaming services.

The FlytLINK Product Line is DAL D and ETSO certified. Design Standards include DO-178(C), DO-254, DO-160(G) & DO-252 MOPS

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<th>Technical Parameters</th>
<th>Markets &amp; Platforms</th>
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| **SDU:** | Commercial Aviation
| • SDU size: ARINC600 2MCU, 14.98 in x 7.61 in x 2.41 in | Business Aviation
| • SDU weight: <2.3 kg | Military & Government
| • Power: 125W 28V DC (2A) | Rotorcraft
| **SCM:** | UAS (UAV & GCS)
| • SCM Size: 4.33 in x 3.98 in x 0.89 in | 704 Kbps Download
| (114.3mm) x 101.6mm x 21.5mm | 352kpbs Upload
| • SCM Weight: 0.25 kg | 2.4 Gbps
| **HGA:** | Exclusive provider of hybrid solution for safety, voice and data services over Block 1 Iridium satellites
| • HGA size: 12.91 in length x 6.69 in width x 2.07 in height | *Block 1 now, Certus Safety in 2025
| • HGA weight: <2.5 kg (does not include any potential antenna adapter plate) | **Value Added Re-Seller Services for Iridium Air Time available through Thales.
| • HGA footprint: ARINC 771-1 Footprint #4 |