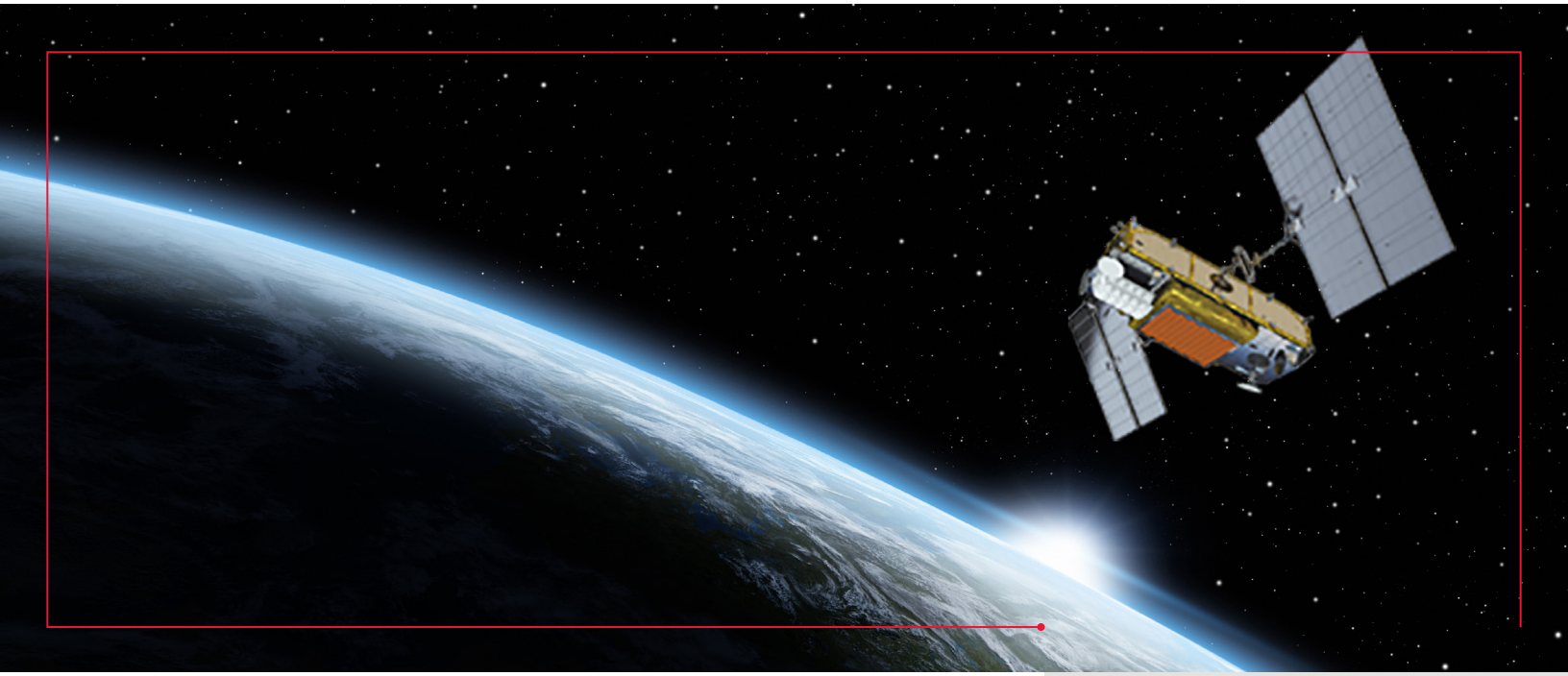

IRT NX SATCOM SYSTEM FOR IRIDIUM®

HIGHER DATA SPEEDS AND LOWER SERVICE COSTS

Reliable SATCOM offering outstanding benefits

Connect with Collins Aerospace to take advantage of the Iridium® global constellation of more than 70 satellites for your airborne broadband needs. As a service provider for Iridium's satellite solutions, Collins can help you meet your SATCOM requirements with high data rate capability and lower weight, drag and power usage than with other SATCOM offerings.

With over 3,000 legacy Iridium systems fielded already, we're adding Iridium Certus® services to our comprehensive suite of aircraft connectivity applications for commercial, government and ARINCDirect℠ business customers. Current data rates up to 704 kbps.

WHAT'S NEXT?

Iridium replaced the legacy GEN 1 constellation with the NEXT constellation. The new constellation provides for faster worldwide data services. When your aircraft accesses the new constellation through the IRT NX SATCOM system, you can take advantage of higher data rates and safety services for operations worldwide.

Other benefits associated with our IRT NX SATCOM system for Iridium terminals and antennas include lower weight, an antenna footprint with minimum drag, lower power usage and no JTAB test requirement.

MUCH MORE THAN A SERVICE PROVIDER

The level of experience we bring to airborne connectivity is high. We continue to invest in VHF, HF and satellite communication products and are a value-added manufacturer for the design and production of Iridium Certus systems including antenna.

You can count on highly reliable and robust solutions, along with superior customer service.

collinsaerospace.com/satcom-nx

KEY FEATURES & BENEFITS

- Cockpit Applications
  - FANS/Safety Services
  - GADSS/GAT
  - SATCOM Voice
  - EFB Services/SWIM
  - Graphical/Crowd Sourced Weather
  - Flight Plan Updates
  - Flight Tracking
  - Navigation Chart & Terrain Database Updates for Ipad or EFB
  - Flight Data Recorder Streaming
  - Mechanical Monitoring & Exterior Sensor Readings
  - FOQA/MOQA
  - Flight Profile Optimization
- Passenger Communications
  - Voice, IP Fax
  - Text/Email
  - Internet/VPN
  - Social Media
  - Low/Standard Resolution Video

Collins Aerospace

TIMING AND EQUIPAGE

- Iridium Satellite system is fully deployed and operational – Worldwide coverage including over poles
- IRT NX SATCOM system available in early 2023 for cabin data services and in Q1 2024 for cockpit

IRT-4000

ICM-4000

LGA-4000

HGA-4000

SPECIFICATIONS

IRT-4000 satellite data unit

- Weight: 7.7 lbs.
- Size: 15.256" x 2.430" x 7.877"
- Input voltage*: 28 VDC
- Top-level assembly: 822-3585-XXX
- Installation drawing: 653-4690-001

ICM-4000 satellite configuration module

- Top-level assembly: 822-3584-XXX
- Installation drawing: 653-4691-001
- Size: 4.015" x 4.515" x 1.015"
- Weight: 0.48 lbs.
- Powered through SDU

LGA-4000 low-gain antenna

- Weight: 2.2 lbs.
- Size: 10.7" x 5.47" x 3.35"
- Powered through SDU
- Top-level assembly: 822-3587-001
- Installation drawing: 653-4462-001
- ARINC 771 #4 footprint hole pattern

HGA-4000 high-gain antenna

- Weight: 3.4 lbs.
- Size: 13.0" x 5.6" x 2.5"
- Powered through SDU
- Top-level assembly: 822-3586-XXX
- Installation drawing: 653-4463-001
- ARINC 771 #4 footprint hole pattern

PRODUCT	SAFETY SERVICES	VOICE CHANNEL		MAX DATA RATE (KBPS)	DOMAINS	ANTENNA
		ANALOG	VOIP			
IRT-4100 (low)	yes	2	1	88	ACD & AISD	Active LGA
IRT-4200 (medium)	yes	2	1	176	ACD & AISD	Active LGA
IRT-4300 (very high)	yes	2	1	704	ACD & AISD	Active HGA
IRT-4400 (very high)	no	2	1	704	PIESD	Active HGA

Specifications subject to change without notice.

* System power consumption is 125 W. This is due to the antenna being powered through the SDU per ARINC 771 – a change from legacy Iridium products.

Collins Aerospace

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