T R A S C
tactical removable airborne satellite communications

TACTICAL REMOVABLE AIRBORNE SATCOM

Designed as a complete and customizable upgrade, TRASC provides a multi-functional capability to work with various Ka-, Ku-, and/or X-band solutions, transmitting voice and data for **Roll-On/Roll-Off (RO/RO)** C-130 airborne applications. Developed in partnership by industry leaders R4 Integration, Intelsat and Satcom Direct, this turnkey solution is **fully FAA STC and DoD certified.** Intelsat's FlexAir is a fully managed service that utilizes global high throughput satellites for unprecedented and secure SATCOM performance.

SD's Plane Simple Ku-band Antenna System delivers reliable, global high-speed connectivity via Intelsat's FlexAir service. It's advanced design features only two-line replaceable units (LRUs) to simplify installation and configuration, while providing a seamless and cost-effective upgrade path as satellite technology advances.

INTEGRATED KIT FEATURES

- **Efficient bandwidth**
- **Inter-operability and security**
- **Multi-waveform capable**
- **Router can be integrated to match customer ground configuration**
- **Power: single power input provides power to all components and antenna**
- **Integrated utility power for user equipment such as phones and laptops**
- **Optional: PacStar 447 router and KG-250X encrypter mount**

PATENTED

 # US 9,016,631 B2,
FAA STC # ST02495LA and DoD CERTIFIED.

R4 MPHS SATCOM SOLUTION PART
0011A-1110-S1-SD1-00-SD1-000-000-830-T3

CABIN ROUTERS

Manage all onboard communications for the best connectivity experience and collect key aircraft performance data to enhance flight operations.

SATCOM Direct Router (SDR®)

- Satellite-ready solution for L-Band, Ku-Band, Ka-Band, and ATG communications
- Gigabit Ethernet support for WAN, LAN, and cabin connectivity
- 11AC Dual-Band (2.4 + 5.0 GHz) Wi-Fi
- ISDN support
- 4G/LTE data support for internet access on the ground and remote support
- Multiple Wi-Fi network support allows for separate guest and/or VIP networks
- ARINC 429 interfaces for location services, flight tracking/moving maps, and/or avionics monitoring
- Customizable discrete I/O support
- Enables stronger login requirements on interfaces into the SDR, including stronger Wi-Fi passwords and brute-force login prevention with CAPTCHA.

BR012

Gateway (SDR®)

- Two channels of Iridium voice, ISDN, and FAX capabilities
- VoIP (Voice over IP) support
- Cellular Data Capable with 3G/4G/LTE on ground
- MIMO capable
- Aviation Certified 802.11 n/ac Wi-Fi capability
- Integrated PBX and advanced IP-based router
- 2-Wire support and 4-Wire flight deck voice interface
- CEPT E1 interfaces
- ARINC 429 interface
- Internal storage up to 1TB

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R4 INTEGRATION

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