



TRASC

Tactical Removable Airborne Satcom

Designed as a complete, customizable upgrade, TRASC has been developed to provide a multi-functional capability to work with various Ka, Ku, and/or X-band solutions for transmitting voice and data for Roll-On / Roll-Off (RO/RO) C-130 airborne applications.

Developed in partnership by industry experts R4 Integration, Inc., Intelsat General Communications LLC and Satcom Direct, this turn-key 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 cryptographic processor



**R4 MPHS SATCOM SOLUTION PART NUMBER:
0011A-1090-S1-C1-00-SD1-000-000-830-SD1**

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

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.



Satcom Direct Router Gateway (SDRG®)

- 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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