

TACTICAL REMOVABLE AIRBORNE SATCOM

For C-130/L-100 Transport Aircraft

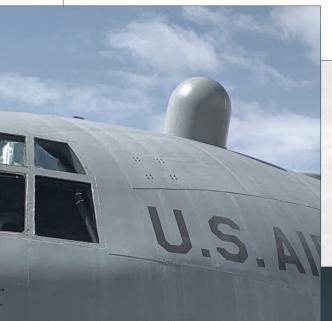
Designed as a complete and customizable upgrade, TRASC has been developed in partnership with industry leaders R4 Integration, Inc. and Viasat, Inc. It provides dependable, multi-functional and high-throughput capability with multi-band options for transmitting voice and data. This turnkey solution is fully FAA STC and DoD certified to work on all C-130A–J variants and features convenient Roll-On/Roll-Off (RO/RO) rapid installation.



- Rapid RO/RO installation (NO PERMANENT modification to the aircraft)
- Versatile mounting options: Multi-Purpose Hatch System (MPHS) and/or Multi-Purpose Shoulder Panel System (MPSPS)
- Optimized Size, Weight and Power (SWaP)
- Field repairable by certified technicians
- FAA/DoD CERTIFIED

G-18L ANTENNA FEATURES

Capable of delivering the industry's highest data speeds, it is interoperable with any modem and satellite network. Tracking GEO, MEO, and LEO orbits, it covers the full ITU Kaband frequency range and any satellite polarization. The G-18L is compatible with a broad range of networks, including but not limited to Viasat-1, 2, and 3, Inmarat GX, SES O3b mPower, Wideband Global SATCOM (WGS) and Geostationary Defense and Strategic Communications (SGDC-1).





G-18L ANTENNA SPECS

Class Aperture 18" mechanically steered reflector Parabolic reflector, circular polarization, electronically switchable, all combinations of RHCP, LHCP, co-pol, or cross-pol Full ITU Ka, commercial & military

Frequency

Tx: 27.5 – 31.0 GHz Rx: 17.7 – 21.2 GHz 53.5 dBW at 36K ft. 15.0 dB/K at 36K ft.

EIRP G/T

Power (SSPA) 20W RF electronics Integ

Antenna control
Elevation coverage
Azimuth coverage
Power consumption

Swept vol. (D x H)

Weight

Operating temp.

MTBF

Interface (IF)

LEO handover time

Velocity

Init. acquisition time
Tracking accuracy

Integrated into antenna assembly Integrated into antenna assembly

0° to 90° 0° to 360°

350 W max at 48V

Ø18.0 x 19.3 in.; Ø45.7 x 49.0 cm

35 lb.; 15.9 kg -55 °C to +70 °C 20,000 hours

L-band, OpenAMIP 2 seconds or less

100°/sec

<30 sec 0.3° # US 9,016,631 B2 FAA STC # STO2495LA and DoD CERTIFIED.



850.226.6913 info@ r4-integration.com



+1.760.476.2200 or 888.842.7281 (TOLL FREE) insidesales@viasat.com

SOLUTION INCLUDES

 R4 MPHS/MPSPS w/radome and G-18L Antenna



*PICTURE IS REPRESENTATIVE ONLY

- Transit case w/ components (some listed below) and removable rack
- Dual-Input airworthy SynQor power supply
- G-MODMAN II modem
- Viasat M3 modem
- Dual PacStar 447 router with KG-250 encrypter mount
- Accessory kit w/ laptop, cables
- Other configurations available depending on customer needs

R4 MPHS SATCOM SOLUTION PART #

0011A-1030-S1-PS2-00-VS2-IN1-000-830-MP1