



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.

ANTENNA MOUNT FEATURES

- 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 Ka-band 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, Inmarsat GX, SES O3b mPower, Wideband Global SATCOM (WGS) and Geostationary Defense and Strategic Communications (SGDC-1).



G-18L ANTENNA SPECS

Class	18" mechanically steered reflector
Aperture	Parabolic reflector, circular polarization, electronically switchable, all combinations of RHCP, LHCP, co-pol, or cross-pol
Frequency	Full ITU Ka, commercial & military Tx: 27.5 – 31.0 GHz Rx: 17.7 – 21.2 GHz
EIRP	53.5 dBW at 36K ft.
G/T	15.0 dB/K at 36K ft.
Power (SSPA)	20W
RF electronics	Integrated into antenna assembly
Antenna control	Integrated into antenna assembly
Elevation coverage	0° to 90°
Azimuth coverage	0° to 360°
Power consumption	350 W max at 48V
Swept vol. (D x H)	Ø18.0 x 19.3 in.; Ø45.7 x 49.0 cm
Weight	35 lb.; 15.9 kg
Operating temp.	-55 °C to +70 °C
MTBF	20,000 hours
Interface (IF)	L-band, OpenAMIP
LEO handover time	2 seconds or less
Velocity	100°/sec
Init. acquisition time	<30 sec
Tracking accuracy	0.3°

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



SOLUTION INCLUDES



*PICTURE IS REPRESENTATIVE ONLY

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



850.226.6913

[info@](mailto:info@r4-integration.com)

r4-integration.com



+1.760.476.2200

or 888.842.7281

(TOLL FREE)

insidesales@viasat.com

R4 MPHS SATCOM SOLUTION PART #

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