



C-130 SATELLITE COMMUNICATIONS (SATCOM)

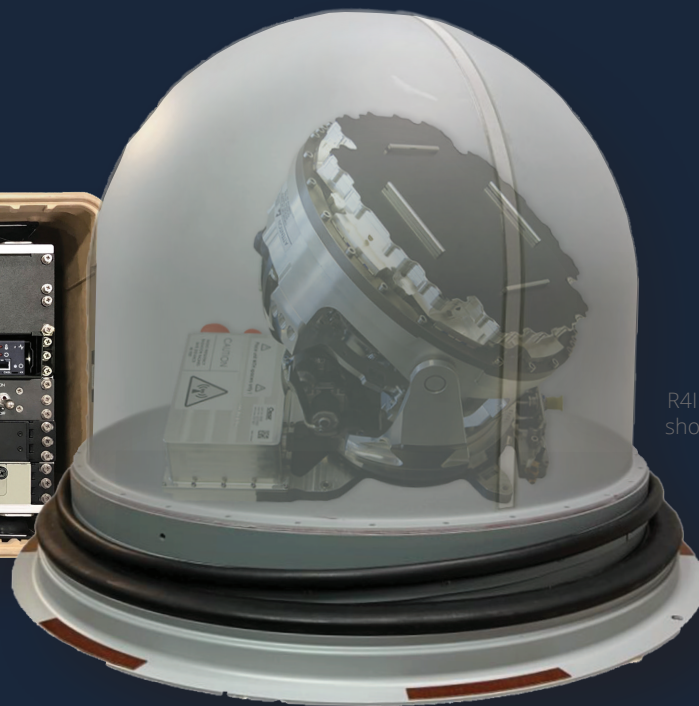
Deployable hatch-mounted Ku/Ka-Band capability

Satcom Direct has teamed up with aircraft hatch-mount specialist R4 Integration Inc, to provide a revolutionary “roll-on, roll-off” SATCOM solution for all variants of the C-130 aircraft. With the Antenna mounted via the front or rear hatch and avionics residing in a carry-on crate, it is possible to deploy within 15-mins, as well as share the capability across multiple aircraft. Available in Ku and Ka-Band variants and certified for global satellite networks, including ViaSat and Intelsat.

Integrated Kit Features

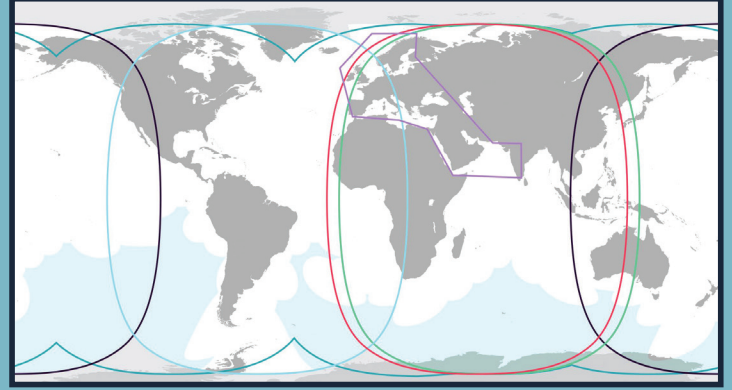
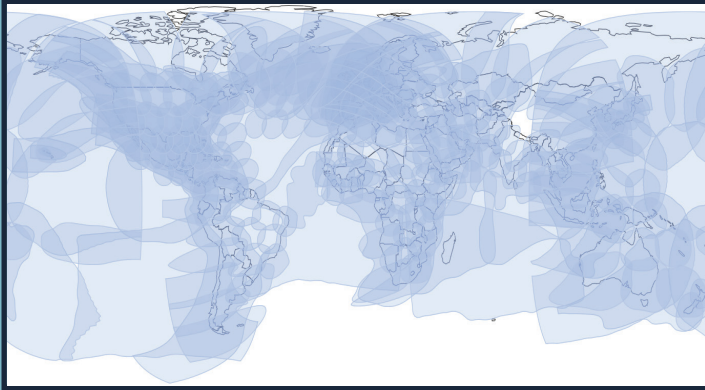


Customizable Base Kit



R4 TRASC Hatch shown with PSKu

- Satcom Direct Plane Antenna System
- Router and Modem located in a deployable crate
- Multiple interfaces for User equipment
- Supports global Ku and Ka-Band services



C-130 RO/RO KIT

KIT SIZE & WEIGHT SPECS

TRASC Hatch Size	(L) 26.0in (W) 26.0in (H) 27.5in (L) 66.04cm (W) 66.04cm (H) 69.85cm
TRASC Hatch Weight	74.0lbs / 33.57kg
Base Kit Size	(L) 34.5in (W) 22.47in (H) 21.59in (L) 87.63cm (W) 57.07cm (H) 54.84cm
Base Kit Weight	150lbs - 170lbs / 68.04kg - 77.11kg

SYSTEM SPECIFICATIONS

(PSKu) Tx Frequency	13.75 - 14.50 GHz
(PSKu) Rx Frequency	10.70 - 12.75 GHz
(PSKa) Tx Frequency	27.50 - 30.00 GHz
(PSKa) Rx Frequency	17.70 - 20.20 GHz
Aircraft Interfaces	28 VDC Navigation Bus: ARINC 429
Network Support	Intelsat Flex AIR Ku-band network ViaSat GX Ka-band network

ANTENNA SPECIFICATIONS

Azimuth	Continues coverage over full 360°
Elevation	0° to 90°
Polarization	Linear Switchable (RX and TX)
Input Voltage	28VDC supplied by SMU
Power Consumption	200 Watts Max, 180 Watts Typical
All RF Components	Built-in
Antenna Control Unit	Built-in

MODEM SPECIFICATIONS

Input Voltage	28 VDC Nominal (Current 10A)
Power Consumption	303 Watts Max

ROUTER SPECIFICATIONS

Power	28V DC
WiFi	802.11n Dual-Band (2.4 + 5.0 GHz)
ISDN Support	2 ports
Discrete I/O Support	5 input and 4 output

