



TACTICAL REMOVABLE AIRBORNE SATCOM

For C-130/L-100 Transport Aircraft

Industry leaders R4 Integration and Get SAT have developed a powerful and ultra-lightweight SATCOM capability for C-130 aircraft. It features Get SAT's lightweight Milli SAT EX Ka-band antenna for optimized voice, video and data transmission. R4 Integration's patented Roll-On/Roll-Off (RO/RO) Multi-Purpose Hatch System (MPHS) SATCOM turnkey solution includes a custom dual-modem Base Kit to access various Ka-band networks simultaneously. It is fully DoD and FAA certified for all C-130A – J and L-100 variants.

MOUNTING FEATURES:

- Mounting options: center/forward escape hatch
- Rapid RO/RO installation (15 min.) with NO MODIFICATIONS to the aircraft
- Optimized SWaP over previous solutions (reduced weight from 88lbs to < 48lbs)
- NO IMPACT to other aircraft systems or surfaces
- Field serviceable by certified technicians
- Fully DoD and FAA CERTIFIED

GET SAT'S MILLI SAT EX

antenna offers unmatched performance in an extremely compact package of just 48lbs. It provides high bandwidth data throughput exceeding 30 Mbps with HTS satellites.

Milli SAT EX supports commercial and military Ka-band and is compatible with Inmarsat's GX network.



MILLI SAT EX



RF PERFORMANCE

Tx Frequency
Rx Frequency
Max G/T
Polarization
Max EIRP
Tx / Rx isolation
Panel Size

KA BAND

29-31GHz OR 27.5 - 30GHz
19.2-21.2GHz OR 17.5 - 20GHz
12 dB/K
RHCP/LHCP (co-pol / cross-pol)
48dBW (12W BUC)
>60 dB
20X48 CM (7.9X18.8")

SYSTEM

Azimuth
Elevation
Control Technique
Velocity
Initial Acquisition Time
Re-Acquisition time
Management
Power Input
Power Consumption
Interfaces
Weight
System Size

Continues coverage over full 360°
-8° to 90°
Combined IMU / RSSi / GPS
Azimuth >200° / Sec, Elevation > 200° / Sec
<30 sec
<100ms (depends on modem)
Web Interface/ Open AMIP 1.16/ SW ICD
22 - 56v DC
Rx Only ~ 25Watts
TOTAL - 150 Watts (12W Buc PSAT)
GPS, RS-232, Ethernet, TX/RX, Other
22kg (48lbs) incl. Radome & Hatch Mount
38 X 65 cm (15x26")

PACSTAR 447

- Enables teams from U.S. DoD, Homeland Security, first responders and civilian organizations to easily and securely connect multiple devices to mission-critical com networks
- Based on Cisco® technology and provides 2 GigE (SFP or RJ45) WAN ports and 4 GigE RJ45 ports of PoE LAN access.
- Provides industry leading SWaP-C
- MIL-STD tested and approved
- Leading developer and supplier of advanced, interoperable tactical and enterprise communication systems for organizations with complex communications requirements

HIGHLIGHTS

- Revolutionary antenna system with dual spectrum access
- High density performance and minimal swept volume
- No downtime to switch bands
- Certified military Ka, commercial Ka & Inmarsat GX
- Integrated GPS and IMU
- Intuitive GUI for monitoring & control
- Compatible with multiple modem types
- DO-160G and MIL-STD certified
- Custom installation (RO/RO or permanent)
- Ultra-lightweight, compact, cost-efficient, upgradable, turnkey

*PICTURE OF BASE KIT IS REPRESENTATIVE ONLY



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



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