



SATCOM On The Pause

A rugged and compact satellite terminal for rapid deployable military communications.

The SATCOM On The Pause (SOTP) is a highly compact integrated satellite terminal designed for automatic deployment and reliable communications through any of the existing military satellites.

The SOTP terminal is ideal to cover extensive geographical areas or to be used by emergency units which need fast deployable communication.

This vehicle mounted terminal provides high data rate 'intra theatre' communications. The SOTP terminal is available in X, Ku and Ka bands.

Highlights

- Full 2 axis control, includes 360° unlimited azimuth range.
- GPS based auto satellite acquisition.
- Tracking with beacon receiver.
- Configurable for several satellites.
- Different modems can be integrated in the SOTP terminal depending on the end user needs.
- IP technology.
- Up to two links simultaneously.
- Flexible and dynamic configuration.



Terminal overview

Various antenna sizes and RF powers are available to suit any particular user needs. The terminal architecture comprises four main subsystems:

- Antenna.
- Transmit and receive subsystem.
- Baseband.
- Monitoring and control subsystem.

An advanced and user friendly interface allows monitoring and control of the SOTP terminal by the operator.

Technical (X Band)

Antenna type	Offset fed (prime focus)
Diameter	1.2 m., 1.5 m. and 1.8 m.
Tx bandwidth	7.9-8.4 GHz
Rx bandwidth	7.25-7.75 GHz
EIRP (1.5 m., 80W)	57 dBW
G/T	>17 dBK (1.5 m.)
M&C	Local and remote
Azimuth adjustment	360°
Elevation adjustment	6° to 91°
Polarization	Circular
Side lobe performance	STANAG 4484

Terminal Capabilities

Traffic	Voice, data, videoconference...
Data rate	Up to 2Mbps

Environmental

Operating temperature:	
- Outdoor equipment	-30°C to +50°C
- Indoor equipment	0°C to +50°C
Wind conditions	Up to 60km/h
Vibration	MIL-STD-810 E method 514.4
Operation altitude	3,000 m.

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