



SATELLITE COMMUNICATIONS ANYTIME ANYWHERE

Introduction

The SOTM Terminal offers robust voice, data and video links for vehicles in motion over rugged terrain. These Terminals can be easily installed on a wide range of on-road and off-road military vehicles.

The design is based on well proven technologies fitted in a complete on-the-move suite that is configured for withstanding the most severe conditions and provides an improved stabilization, acquisition and tracking performance.

The flexible architecture and the integration capabilities accomplish the SOTM ideal solution for any kind of vehicle. Baseband equipment as modems, internetworking units or cryptos are allocating in a rack that fits into the vehicle and allows an easy operation by just one person while the antenna is a compact and rugged outdoor component.

Characteristics



	X Band	Ku Band
Technical characteristics		
Antenna diameter	0.46m	
Antenna control	Automatic beacon receiver and tracking	
Reception frequency range	7.25-7.75GHz	10.95-12.75GHz
Transmission frequency range	7.9-8.4GHz	14.0-14.5GHz
Polarization	Circular	Linear
G/T	8.5dB/K	11 dB/K
EIRP	42dBW	46.5dBW
Elevation travel	0° to 90°	
Azimuth travel	360° continuous	
Pedestal velocity	Elevation: 200°/sec	
	Azimuth: 300°/sec	
Pedestal acceleration	Elevation: 2000°/sec ²	
	Azimuth: 2000°/sec ²	
General performances		
Modem configuration	FDMA (SCPC) / TDMA	
M&C	Complete remote control	

Options

- Low profile antenna
 - Extended Ku Band frequency range: 13.75-14.50GHz
 - Crypto: External or AES through the modem
- TCP accelerator
 - Rugged baseband equipment.
 - UPS (20min. autonomy)
 - On-board generator (>10hrs. autonomy)

Highlights

- Integrated inertial navigation
 - Supports the installation of a network management for creating sub-networks
 - SATCOM services for patrols through IP radios
- Backbone capacities for brigades and battalions
 - Antenna sealed and protected according to MIL-STD-810
 - Rugged mechanical concept
- Very flexible architecture based on modular subsystems for adapting to any kind of vehicle

Terminal Overview

Indra’s SATCOM On The Move solution provides a complete package for the military in motion communication needs able to be integrated into any kind of vehicle: tanks, four-wheel-drive fast moving vehicles, logistics trucks...The SOTM solution is so flexible that can be integrated even in small ship patrols for naval SATCOM links.

This Terminal is an added value communication suite that offers not only SATCOM data or voice focused links but also tactical VoIP, Blue Force Tracking or Command and Control services.

The system solves real-time communications in the battlefield and improves the coordination between squads and patrols for awareness or logistics operations.



indra

C/ Mar Egeo 4
Polígono industrial 1
28830, San Fernando de Henares
Madrid (Spain)
T +34 91 627 30 00
F +34 91 627 30 51
space@indracompany.com
indracompany.com

Indra reserves the right to modify these specifications without prior notice.