

MSR-3400

Tactical BLOS Multiband Ultra-Lightweight Manpack Satellite Terminal

Technical Specifications

Satellite	
Band Support	X, Ku, Ka Multiple SSPA/BUC Power Options
Parabolic Antenna	26 inches (65 cm) 3pc. reflector 36 inches (90 cm) 4pc. reflector
Sidelobes & Radiation Pattern Compliance	ETSI EN 301.35 MIL-STD-188-164A ITU-R S.465.5 and S.580-6 FCC 25.209 with 25.212
Polarization	Circular - X and Ka Linear - Ku
G/T - 26 inch/65 cm Reflector	X = @ 7.5GHz.....10.1 dB/K Ka = @ 20.7GHz.....17.7dB/K Ku = @ 11.7GHz.....14.1dB/K
EIRP - 26 inch/65 cm Reflector	X - 20W BUC.....45.3 dBW Ka - 8W BUC55.3 dBW Ku - 8W BUC.....45 dBW
G/T - 36 inch/90 cm Reflector (Double the performance of the 26 inch/65 cm)	X = @ 7.5GHz.....12.93 dB/K Ka = @ 20.7GHz.....20.5 dB/K Ku = @ 11.7GHz.....16.9 dB/K
EIRP - 36 inch/90 cm Reflector (Double the performance of the 26 inch/65 cm)	X - 20W BUC.....48.1 dBW Ka - 8W BUC58.1 dBW Ku - 8W BUC47.8 dBW
Mechanical	
W x D x H (Folded)	19 x 10 x 17 inches 48 x 26 x 43.5 cm
Total System Weight (26 inch/65 cm)	Less than 27.5 lbs (12.5 Kg)
Total System Weight (36 inch/90 cm)	Less than 33 lbs (15 Kg)
Interfaces	
Modem Support	Elbit MSR and MSRR Modem Family iDirect e850mp, Iconnex i700 Comtech DMD1050 EBEM and other MIL-STD-188-165A and WGS compliant modems Modems may be exchanged at base level maintenance
Ports	DC Power & AC Power L - Band Tx Int. (External Modem) L - Band Rx Monitor L - Band Modem Output RJ45 Ethernet (x2) EIA-530 (modem dependent)
Control Interface	Simple two button operator interface for field level control. Embedded web server for M&C using external PC for initial base level configuration
Alignment	Interactive Graphic UI assisted by internal GPS receiver and integrated beacon receiver
Power	
10-36V DC, 90-260V AC, External Battery Pack	
Environmental	
Wind loading	25mph / 40kmh (No ballast), 45mph / 73kmh (With ballast)
Operating Temp.	-32°C to +55°C - operating
Shock, Vibration, Humidity	MIL-STD-810G
EMI / RFI	MIL-STD-461C

Specifications subject to change without notice.



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Elbit Systems' MSR-3400 is a portable, rugged and compact fully integrated ultra-lightweight manpack satellite multiband communication (SATCOM) terminal, designed for rapid deployment in the most demanding and hostile environments. The MRS-3400 delivers satellite broadband voice, data and video connectivity in the battlefield, as well as in special operations, intelligence missions, homeland security, first response and disaster recovery theaters.

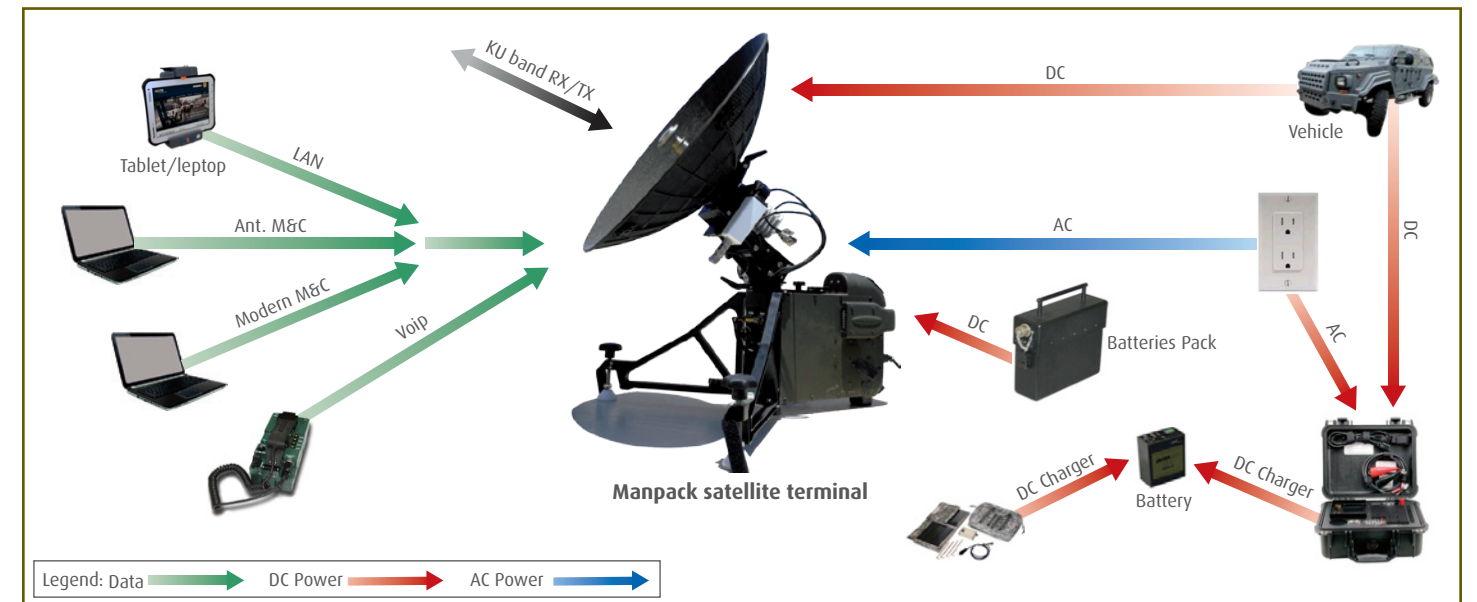
The MSR-3400 comes with two parabolic reflector options, 26 inch (65 cm) with a total weight of less than 28 lbs (12.5 Kg), or 36 inch (90 cm) with a total weight of 33 lbs (15 Kg), and is packaged in a single carry case or backpack.

The MSR-3400 features multiband support with field interchangeable X, Ka and KU modules with multiple modem and BUC power options enabling over 5Mbps data rates.

The MSR-3400 was designed to comply with MIL-STD-188-164A, WGS, MIL-STD-810F, ITU and FCC requirements. Equipped with an interactive manual assisted graphic interface control, the MSR-3400 was designed for one man operation, typically requiring less than 5 minutes set-up time to satellite acquisition.



Energy Kit & accessories



Key Features

- Smallest & Lightest WGS VSAT Manpack Terminal
- High-Bandwidth Voice, Video & Data Anywhere Worldwide
- Interchangeable X, Ka and Ku Band Modules
- MIL-STD-188-164A / WGS Compliant
- Total Terminal Weight Only 27.5 lbs (12.5kg)
- AC Mains and Battery Operation with "Power Saving" mode
- 26 inch (65 cm) & 36 inch (90 cm) Reflector Diameter Options
- Compact Modem Agnostic 'One Box' Solution
- Designed For Simple One Man Operation
- Rapid Deployment From a Single Lightweight Backpack
- Rugged MIL 810F Compliant For Hostile Environment Operation

Packaging Options



Energy Kit & accessories

Optional Energy kit that includes:

- Batteries pack
- Batteries
- Solar panel
- Charger
- Cables
- Package for energy kit and accessories

Front Panel Control & Display

