

Specification Sheet

micomRM500

Rack Mount 500 Watt HF-SSB Base Station 1.6-30 MHz

The micomRM500 is especially designed to provide very long range radio communications for ground-to-ground, ground-to-air and ground-to-sea voice and data applications. The micomRM500 is a self-contained 500W transceiver package integrating micom3 radio, auto-sensing AC power supply, multiple accessory ports and a reliable air cooling system into a 19 inch rack mount cabinet.

Meeting the world's strictest standards for radio equipment communication dependability, including MIL-STD-810, ALE per MIL-STD-188-141B and FED-STD-1045, the micomRM500 is the ideal solution for organizations whose operations require reliable long-range radio communications for mission command and control.



BENEFITS AND FEATURES

ESTABLISHING A RADIO LINK IS ALWAYS FAST AND SIMPLE

- **Automatic Link Establishment per MIL-STD-1045 & MIL-STD-188-141B standards.**
- **ISB-ready (Independent Side Band).**
- Full interoperability with other manufacturers' radios complying with the same ALE standards.

VOICE THAT'S LOUD & CLEAR

- Built-in voice quality system utilizes proprietary algorithms to filter out background noises, giving users exceptional communications clarity.
- Selectable bandwidth allows fine tuning for optimal voice and data communications.
- Voice-activated digital squelch.

USER-FRIENDLINESS

- New control head features a large LCD, full-dot matrix digital display and an enhanced keyboard for programming and set-up.
- Radio operation can be executed using any standard USB keyboard.
- Multiple language display available.
- Transceiver can be controlled using PC and programming application.
- Remote control configuration allows the transceiver to be operated from a remote location using optional 2 wire remote control head

YEARS OF TROUBLE-FREE, MOST ADVANCED COMMUNICATIONS

- Upgrading to future technologies is easily done by installing new software into the transceiver's DSP unit.
- Easily replaceable digital components help ensure cost-effective maintenance.
- Very high MTBF, as with all Micom radios.
- Unique Built-in self Test system provides exceptional dependability.

COMPREHENSIVE COMMUNICATION AND NETWORKING SERVICES

- Office-quality communications services integrating fax, e-mail and data transmission and reception.
- **MultiNet** enabling integration of different HF radio networks into one seamless network, allowing excellent coordination between different operational nets.
- AMD (Automatic Message Display) for free and pre-set text messages.

A PROVEN FAMILY OF RADIO PRODUCTS

- The micomRM500 is a member of the Micom transceiver family – fixed and mobile stations – covering the long-range wireless communication needs of thousands of organizations world-wide.

MAJOR ACCESSORIES:

- Automatic telephone interconnect
- Antenna system
- Pre post selector (PPS)
- FM to HF repeater
- HF modems
- ATUs
- Antennas and grounding kit
- Secure voice and data

SPECIFICATIONS

Model	M91AMN0KV5-K G160 or G161
Frequency Range	1.6-30 MHz
Number of Channels	200
Transmission	500 Watt PEP average
Reception	100 kHz-30 MHz Rx
Operating Voltage	110-220 V 47-65Hz
Bandwidth	
Audio	350 to 2700 Hz
Data	300 to 3300 Hz
Frequency Stability	0.6 PPM (0.1 PPM optional)
Frequency Resolution	10 Hz
Operating Temperature Range	-10°C to +60°C / -14°F to +140°F
Humidity	95% @ 50°C / 122°F
Sensitivity (SINAD)	SSB: 0.3 µV for 10 dB SINAD
Dimensions	
Height	290 mm / 11.42 inches
Width	480 mm / 18.9 inches
Depth	550 mm / 21.7 inches
Weight	32 Kg / 70.6 lbs

OPTIONS

USB com port for external keyboard

PC control and programming software package

ALE DTM/DBM

PPS interface

Interface for secure voice device VP116

2 wire remote control head



Motorola's Commercial, Government and Industrial Solutions Sector is a recipient of the prestigious 2002 Malcolm Baldrige National Quality Award. This honor demonstrates our commitment to performance excellence and quality achievement.



MOTOROLA

MOTOROLA and the Stylized M Logo are registered in the U.S. Patent and Trademark Office. All other product or service names are the property of their respective owners.
©Motorola, Inc. 2003. (0308) VPS

Specifications subject to change without notice.



Zu beziehen über :

www.oppermann-telekom.de

Jan Oppermann
Hauptstraße 34a
D-06507 Friedrichsbrunn/Harz

Telefon :
039487-552

Fax :
039487-236