



Naval & Strategic Communications Tactical
 Communications Government Communications Embedded
 HF / VHF Modem Modules

Naval & Strategic Communications

RM6 LF & HF Modem & ALE Controller
RC66 Combat Communications Suite
19" Rack Mounting Kit

RM6 LF & HF Modem & ALE Controller

The **RM6** is a high data rate LF & HF data modem and ALE controller for standards-based naval and military data communications. The **RM6** is suitable for long distance (up to 10 000 km) point-to-point data communications. The unit includes a built-in 2G ALE controller (optional).

The maximum data rate is **9600 bps** over a standard 3 kHz (SSB) HF radio channel and **19200 bps** over an ISB channel.



The **RM6** is designed to operate in conjunction with an external [STANAG 5066 ARQ](#) server. The unit is intended for installation into 19" rack systems or to be used as a desktop unit. The front panel (LCD display and keypad) provides full local control of all settings and functions.

The function of the **RM6** is determined by the selection of one of the following software packs:

- **M1:** LF & HF Modem (SSB, ISB, up to 19200 bps)
- **M2:** HF Modem (SSB, up to 9600 bps)

The following software option is available for software packs M1 & M2:

- 2G ALE Controller Software Option

Features and benefits



RM6 Modem Platform

- Up to 9600 bps in 3kHz
- Up to 19200 bps (ISB radio)
- STANAG 5066 interoperable
- Broadcast and Ship-Shore (BRASS) compatible
- MIL-STD-188-114 compatible interface
- Supports split-site operation
- AC Supply: 110 - 250 VAC, 40 - 440 Hz
- DC Supply Option: 6-36 VDC (MIL-STD-1275B)
- -30°C to +70°C operating
- Size: ½ of 1U 19 inch rack
- Two units will fit side-by-side in a 1 U slot
- [JITC Certified](#) (Fort Huachuca, Arizona)

LF & HF Software Packs (M1, M2)

Standard	Software Pack	
	M1	M2
MIL-STD-188-110B Appendix C (QAM)	•	•
STANAG 4539 (QAM)	•	•
MTI -STD-188-100B	•	•

[Downloads & Links](#)

[Format](#)

[Typical System Architectures](#)



[Standard HF Waveform Performances](#)



[RM6 LF & HF Data Modem Datasheet](#)



[RM6 2G ALE Controller Software Option Datasheet](#)



[RM6 Ordering Information](#)



[JITC Certification Register](#)



[Contact us](#) for pricing.

(QAM)		
MIL-STD-188-110B Appendix F (QAM)	•	-
MIL-STD-188-110A 5.3 (8-PSK)	•	•
STANAG 4415 (WALSH)(NATO robust)	•	•
STANAG 4285 (8-PSK)	•	•
STANAG 4529 (NB 8-PSK)	•	•
STANAG 4481 (P/FSK)	•	•
STANAG 5065 (MSK)(LF)	•	-
FSK Variable	•	•

2G ALE Controller Software Option

- MIL-STD-188-141B App. A
- FED-STD 1045
- Occupancy Detection
- MIL-STD-188-141B App. B
- FED-STD 1049 Linking Protection
- [More information](#)

Accessories

- [19" Rack Mount \(telescopic\)](#)

RC66 Combat Communications Suite

The **RC66** software provides you with the ability to send and receive e-mails efficiently and reliably over HF radio links and the Internet. The **RC66** software supports STANAG 5066.



Features and benefits



- E-mail Client: Sends and receives E-mail error free over HF radio and internet
- STANAG 5066 ARQ
- Runs on Windows (TM) NT, 2000, XP platforms
- [JITC Certified](#) (Fort Huachuca, Arizona)

HF e-mail standards

- STANAG 5066 Annex F
- CFTP Client
- HMTF Client

Internet e-mail

- Microsoft Outlook™ Compatible
- SMTP, RFC 2821
- POP3, RFC 1939

ARQ Data Protocol

- STANAG 5066 protocol V1.2

[Downloads](#)

[Format](#)

[RC66 Combat Communications Suite datasheet](#)



[RM-SC Synchronous Serial PCI Card Datasheet](#)



[JITC Certification Register](#)



[Contact us](#) for pricing.

- Automatic Data Rate Change
- Compatible with Microsoft Outlook (TM)

Interoperability

- S 5066 is an open standard
- Windows™ NT, 2000, and XP

Automatic Link Maintenance

- STANAG 5066 Annex C
- Automatic Data Rate Change
- [Automatic channel switch]

Control GUI

- E-mail management capabilities
- Configuration file based
- E-mail Routing table
- E-mail gateway setup
- STANAG 5066 Setup
- Synchronous PCI card RM-SC available. EIA 530 compliant
- Interoperable communication of HF Radio Synchronous Card: PCI format hardware for std crypto unit

19" Rack Mounting Kit



[Contact us](#) for pricing.

Features and benefits



- For **RM6**, **RM4**, and **RM2-HVM** modem types.
- Fits 320, 420 and 520mm 19-inch cabinets
- 3mm heavy-duty shelf
- Flexible mounting options for ventilation



Two **RM6** units side by side in a 19-inch rack