**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

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**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)**

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<tr>
<th>Standard</th>
<th>Software Pack</th>
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<td>MIL-STD-188-110B</td>
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<td>Appendix C (QAM)</td>
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<tr>
<td>STANAG 4539</td>
<td>M1 M2</td>
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<td>(QAM)</td>
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<td>MIL-STD-188-100B</td>
<td>M1 M2</td>
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## Typical System Architectures

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**Contact us** for pricing.

## 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.

## Downloads

<table>
<thead>
<tr>
<th>Format</th>
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<tbody>
<tr>
<td>E-mail Client: Sends and receives E-mail error free over HF radio and internet</td>
</tr>
<tr>
<td>STANAG 5066 ARQ Runs on Windows (TM) NT, 2000, XP platforms</td>
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<tr>
<td>STANAG 5066 Annex F</td>
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<td>CFTP Client</td>
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<td>HMTP Client</td>
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## Features and benefits

- **E-mail standards**
  - STANAG 5066 Annex F
  - CFTP Client
  - HMTP Client

- **Internet e-mail**
  - Microsoft Outlook™ Compatible
  - SMTP, RFC 2821
  - POP3, RFC 1939

- **ARQ Data Protocol**
  - STANAG 5066 protocol V1.2

### Typical System Architectures

<table>
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<th>MIL-STD-188-110B Appendix F (QAM)</th>
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<td>STANAG 4529 (NB 8-PSK)</td>
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<td>STANAG 4481 (P/FSK)</td>
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<td>STANAG 5065 (MSK)(LF)</td>
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<td>FSK Variable</td>
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</tbody>
</table>

### 2G ALE Controller Software Option

- MIL-STD-188-141B App. A
- FED-STD 1045
- Occupancy Detection
- FED-STD 1049 Linking Protection

### Accessories

- **19" Rack Mount (telescopic)**
Features and benefits

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

**Interoperability**
- STANAG 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**

- 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

Contact us for pricing.