RAPTAWC

SECURE MESSAGING: BASE TO FRONTLINE



Main Features

- Multifunctional System: Encrypted SMS, chat, email & GPS positioning with tactical gateway to BMS and intranet
- Modem: Embedded 3rd generation high performance modem
- Deployments: Manpack, vehicle, patrol vessels and base
- Military Standards: STANAG 4538, 4539, 5066, MIL-STD-810, 461, 188-141B, 1275B

RAPTAWC : Secure messaging system for HF or VHF/UHF radios creating a digital network from Base to Frontline.

RapidM

The RAPTAWC MIL system comprises of:

- RT5 Tactical Terminal
- RAPTAWC Configuration Software
- RAPTAWC Key Management Software
- RAPTAWC Gateway Software
- RAPTAWC MessagePoint Software
- Full Suite of Cables and Accessories

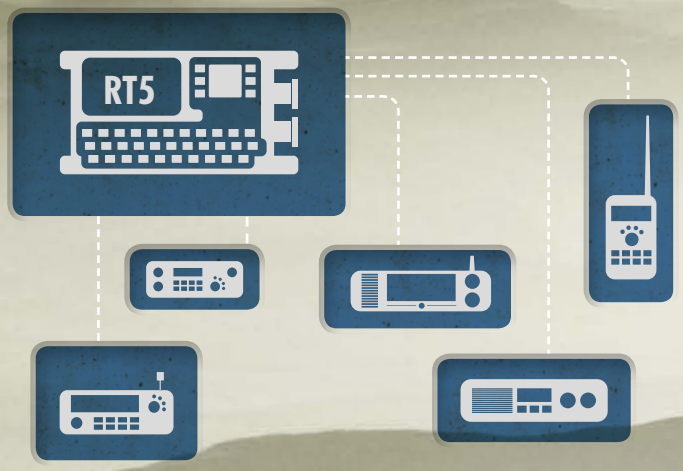
An Integrated Digital Radio Network

Military operations demand secure, beyond line-of-sight (BLOS) communications linking the frontline to command and control systems. The RAPTAWC system is designed to meet this requirement. It is quick to deploy and uses existing radios to create a secure satellite independent data network.

The RAPTAWC system works with existing radios extending operational life by enhancing the capability and interoperability of existing radios. The result is a compelling solution that makes budgetary sense.

RAPTAWC offers a comprehensive range of communication applications including messaging, Situational Awareness and navigation.

RAPTAWC works with all radio types



Enhances Radio Effectiveness

- **Performance:** Data transmission is successful even when clear voice comms is not possible or viable.
- **Operator confidence:** Data messages have accurate delivery (ARQ) and receipt-acknowledgement.
- **Accuracy:** Situational Awareness position updates are provided via an inbuilt GPS. Messages are time and date stamped.
- **Effectiveness in the field:** Reduces on-air time as messages can be prepared off-line, compressed and sent quickly meaning less chance of interception and less battery usage.
- **Efficiency:** One Key emergency messaging and templates for structured reporting requirements.

RAPTAWC Gateway Software

RAPTAWC Gateway Software enhances connectivity via message and position information routing. It enforces chain-of-command and messaging protocols for reliable transmission.

- Emails are automatically compressed for greater through put of traffic and shorter on-air time.
- Email prioritization criteria ensure that higher priority emails are sent first, pre-empting lower priority emails.
- Should the transmission of an email be interrupted or pre-empted, the interrupted email will be automatically resumed.
- SMS messages can be routed to GSM Networks if required.

RAPTAWC MessagePoint Software

RAPTAWC MessagePoint Software allows individual users to use their existing standard email clients to connect to the radio network. RAPTAWC MessagePoint supports MS Outlook, Lotus Notes and many other.

Send & Receive Picture Attachments

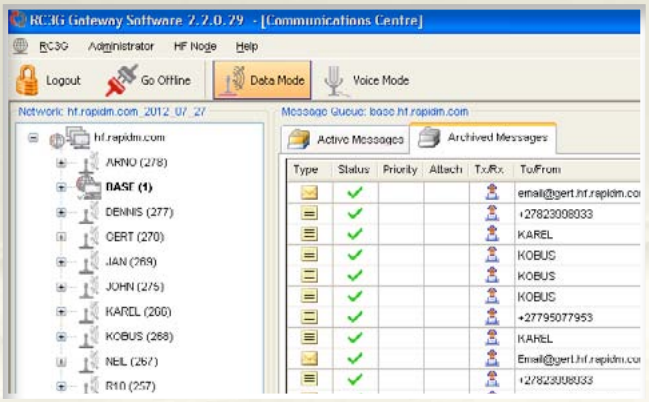


COMPARISON CHART	RAPTAWC RT5	SMART PHONE	RUGGED PDA	RUGGED LAPTOP
Small & Lightweight Terminal	✓	✓	✓	
Robust - Environmental Resistance	✓		✓	✓
Encryption Module	✓			
Radio Modem & ALE Controller	✓			
Email Client	✓	✓	✓	✓
Short Message Chat Client	✓	✓		
Report Templates	✓			
USB Host Interface	✓		✓	✓
Ethernet LAN Interface	✓			✓
GPS Receiver & Electronic Compass	✓	✓		
Position Distribution	✓			

RAPTAWC

RapTawc Key Management Software

Secure key generation and distribution ensures that all over-the-air communications and stored messages are end-to-end encrypted.



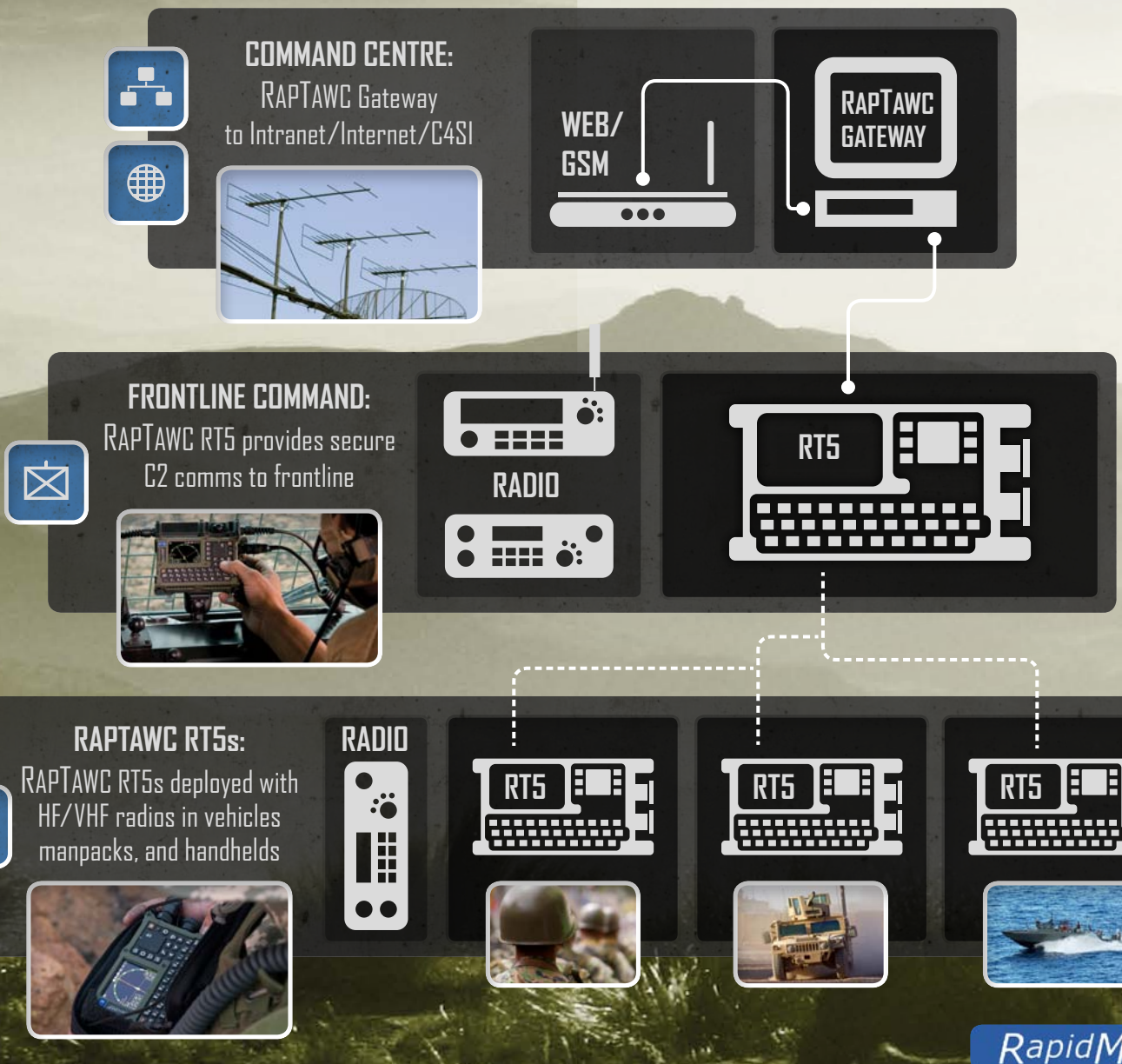
RapTawc Configuration Software

Easy-to-use software allows rapid creation and distribution of address books, network parameters and device configuration.



Purpose-built for the Modern Soldier

The **RapTawc RT5 Tactical Terminal** is a light ultra-rugged hand-held unit designed specifically to meet all the practical demands for effective military deployment, **SWaP** (Size Weight and Power). It combines the capabilities of a rugged PC, radio modem, and GPS into a single device. The intuitive UI requires only minimal training.



RAPTAWC

Supporting Real Operational Deployments

AUTHORIZED USA RESELLER:
Cyntony Corporation
195 Follen Road
Lexington, Massachusetts
sales@cyntony.com
781-430-0675
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RAPTAWC Applications: The RAPTAWC system comes pre-loaded with applications and software templates that provide: Situational Awareness, MedEvac reports, Status updates, Navigation instructions and many more.

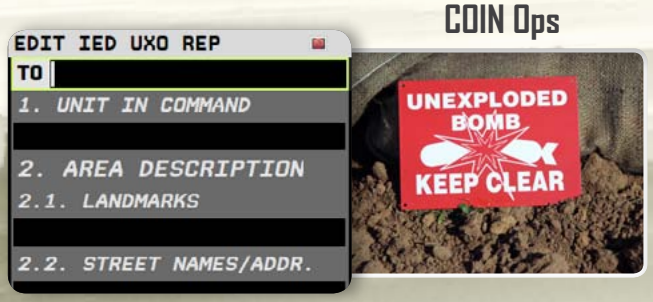
Operations



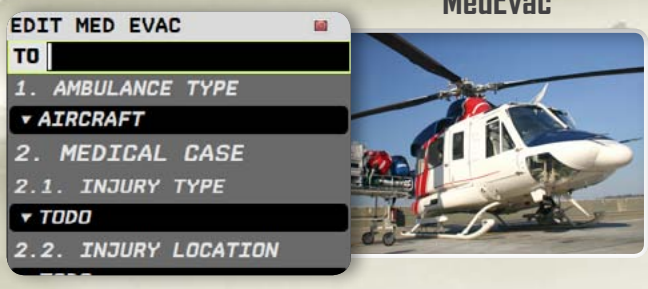
Logistics



COIN Ops



MedEvac



Engineering



Navigation



ACCESSORIES

Full set of accessories to support effective deployment



Radio Cable: *Various	Carry Pouch: Belt or Shoulder Strap	Navigation Pouch: Chest Mount, MOLE system	USB Cable: USB Type-A Female	Ethernet Cable: RJ45 Female	Audio Pigtail: Handset Headset Connection via USSC Audio Conn	Vehicle Mount: 5m cable, MIL-STD-1275B, GPS Reradiator, *Various	Shock Mount: For use with Vehicle Mount

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