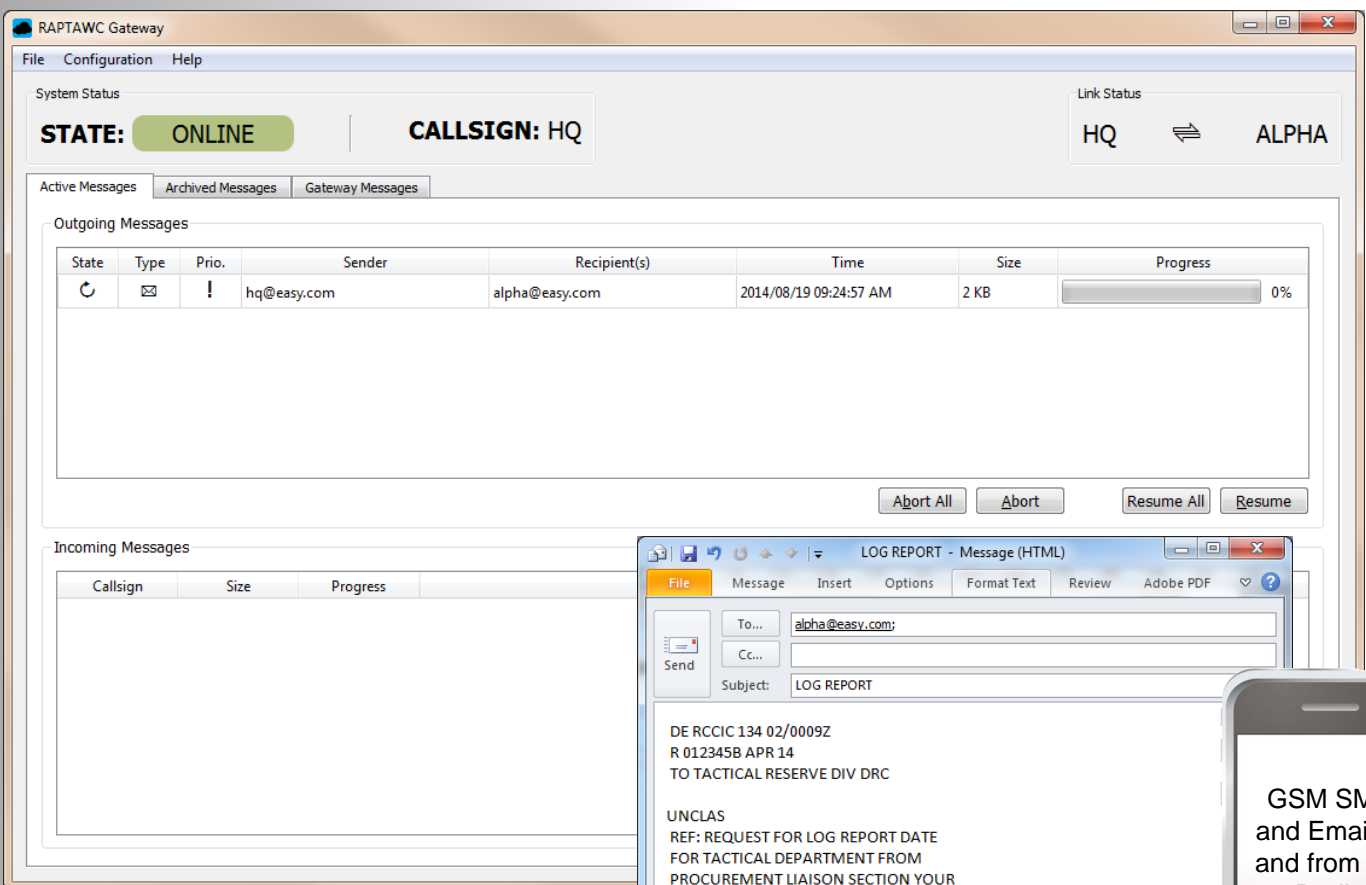# RAPTAWC
GATEWAY

FEATURES & BENEFITS:

- **MS Windows® Software Package**
- **Email over HF & V/UHF networks**
- **Email Gateway**
- **GSM SMS Gateway**
- **Delivery Notification**
- **Email Compression, Resumption, Prioritization**

EMAIL & SMS ROUTING: RADIO NETWORK TO FIXED NETWORK

RAPTAWC GATEWAY email interface, together with *RAPTAWC* modems and terminals, offers users the ability to route emails and SMS messages efficiently and reliably over existing HF and V/UHF radio links.

RAPTAWC GATEWAY is a Microsoft® Windows® application that interfaces between the radio network and the Email and GSM networks (fixed infrastructure).

RAPTAWC GATEWAY allows users in the radio network to exchange SMS messages and Email messages with users in the GSM network and the local intranet or Internet.

GSM SMS and Email to and from the Radio Network

RAPTAWC GATEWAY: SMS & EMAIL OVER RADIO NETWORKS

RapidM

GATEWAY BASICS

RAPTAWC Gateway serves as bridge between various networks, with the Radio Network on one side and the Email Intranet and/or GSM Network on the other side. One *RAPTAWC Gateway* is typically installed per network requiring bridging for the purpose of sending Email or SMS messages to and through.

EMAIL GATEWAY FUNCTIONALITY

RAPTAWC Gateway can bridge the Radio Network with the local intranet typically at a command post. This allows Radio Network users to send and receive email from remote locations.

SMS GATEWAY FUNCTIONALITY

RAPTAWC Gateway can bridge the RF network with the GSM network and the local intranet. This allows users with *RAPTAWC Terminals* to exchange SMS messages with mobile phones and emails with standard email addresses.

GATEWAY CONNECTIVITY

The *RAPTAWC Gateway* PC connects to the various networks as follows:

- **Radio Network**: Ethernet connection to *RAPTAWC Terminal / Modem*

- **Email Network**: Ethernet connection to network switch or Email Server

- **GSM SMS Network**: USB connection to GSM Modem

MULTI-FREQUENCY SUPPORT (ALE) - OPTIONAL

RAPTAWC Gateway optionally uses the Automatic Link Establishment (ALE) function of the *RAPTAWC* modem to enable efficient multi-frequency operation.
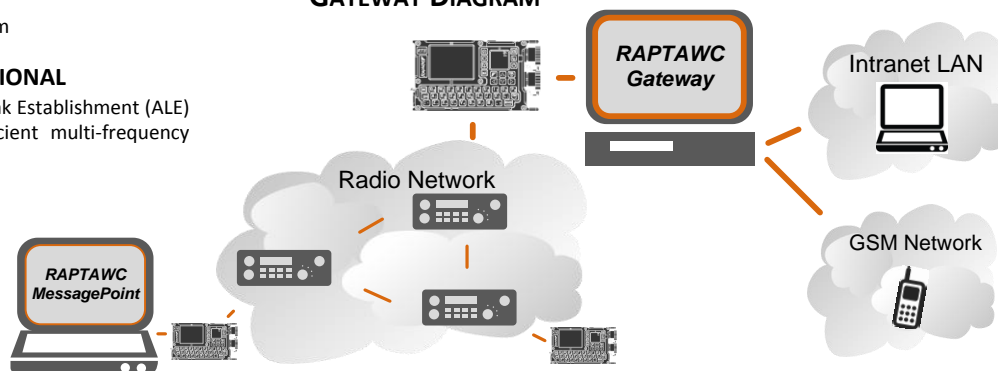
RAPTAWC TERMINALS AND MODEMS

RAPTAWC MessagePoint is designed to support the RAPTAWC Terminal and Modem range, ensuring 100% email interoperability.

GATEWAY ADVANTAGES

- Reliable delivery of messages using Automatic Repeat reQuest (ARQ) protocols.

- Address book of radio network email users

- Message prioritization

- Automatically retry and resume of undelivered or interrupted messages

- Message compression and JPG image resizing

- Message delivery status logging & viewer

- Ease of use, configuration and installation

- Message delivery progress indication

GATEWAY DIAGRAM

RAPTAWC GATEWAY SOFTWARE	
MESSAGING	Email, Email with attachments, GSM SMS Messages
MODEM CONTROL	ALE (Automatic Link Establishment) ALM (Automatic Link Maintenance) ARQ Data (Automatic Repeat on Request) Collision Avoidance and Recovery
OPERATING SYSTEM	Windows® 7 and Windows® 8.1
MINIMUM SYSTEM REQUIREMENTS	32 GB HDD/SSD Storage 2GB RAM Memory 10/100 Ethernet Port 1024x768 Screen Resolution Compatible GSM Modem (for SMS gateway functionality) COTS Email Server (for email gateway functionality: SendMail, Hmail, etc)

RAPTAWC GATEWAY INTERFACES	
USER INTERFACE	RapidM Proprietary
EMAIL CLIENT INTERFACES	POP3 (RFC 1939, excluding APOP) SMTP (RFC 2821, excluding authentication)
GSM MODEM INTERFACE	AT Commands
MODEM INTERFACES	Remote Control (RS-232, Data + Modem Control) Ethernet (Data + Modem Control)
RAPTAWC DEVICES SUPPORTED	RM2, RA2, RA5, RT5

ORDERING INFORMATION	STOCK NUMBER	DESCRIPTION
PC S/W: RAPTAWC GATEWAY, CABLE EN V3	RAP-PC-GWKT-VE3	RAPTAWC Gateway Software USB with RAPTAWC Ethernet Cable

Distributed by:

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