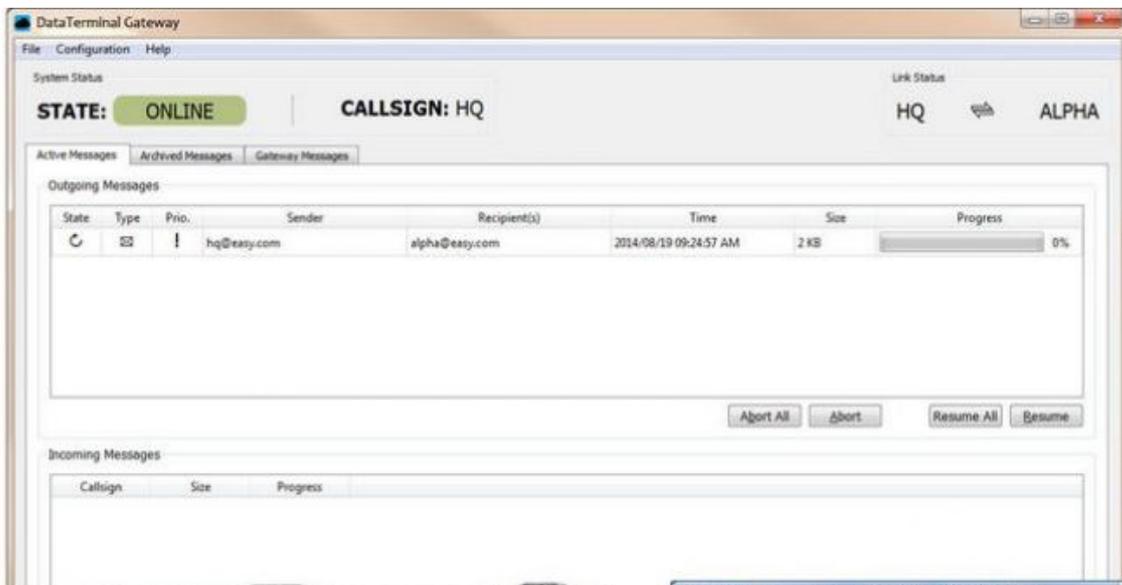# Data Terminals Gateway

Data Terminals Gateway

FEATURES & BENEFITS:

- ☑ Email over HF & VHF networks
- ☑ Email Gateway
- ☑ GSM SMS Gateway
- ☑ Reliable Message Delivery
- ☑ Email Compression, Resumption, Prioritization
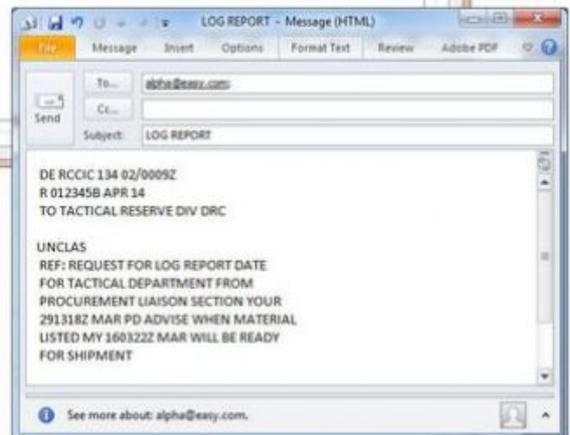- ☑ Encryption of all Over-the-Air Messages

FRONTLINE EMAIL ROUTING

DATA TERMINAL (DT) GATEWAY email interface, together with DT modems and terminals,
offers users the ability to send and receive emails and SMS messages efficiently and reliably
over existing HF, VHF and UHF radio links.

A Microsoft® Windows® application, DT interfaces between the radio network and the Email
and GSM fixed infrastructure to ensure accurate and rapid delivery of user's email messages
using Microsoft Outlook™ or Lotus Notes™. Users in the radio network can exchange SMS
messages and Email messages with users in the GSM network and the local intranet or Internet..

GATEWAY FUNCTIONALITY

DT Gateway bridges the RF network the GSM network and the local intranet, allowing users to exchange SMS messages with mobile phones and emails with standard email addresses over existing Terminals.

RELIABLE EMAIL

Reliable delivery of crucial information is essential in disaster or tactical environments. DT Gateway ensures the quick and accurate delivery of email messages by using the Automatic Repeat reQuest (ARQ) protocols. Delivery status notification is provided.

EFFECTIVE CHANNEL USE

All email messages are sent compressed and delivered as per priority assigned. A feature called Email prioritization results in high priority emails being sent first. DT Gateway will

ADDRESS BOOK

The Address Book feature is built-into the Gateway so that all contacts specified for the network can be viewed and exported to a file, which can then be imported into compatible email clients.

EASE OF USE

Using step-by-step wizards, users can quickly and easily install and configure the Gateway for maximum ease of use. Once the set up is completed, the Gateway will run seamlessly in the background, providing access to the mailbox, and sending and receiving email messages.

PROGRESS AND STATUS

The delivery progress of incoming and outgoing email messages is displayed on the DT Gateway User

automatically retry and resume undelivered or interrupted messages. Longer lower priority emails can be preempted by shorter higher priority emails.

To optimize each email message, the Gateway will reduce the transmission size, compress files, resize JPGs and strip unnecessary headers to deliver the email faster than previously possible.

MULTI-FREQUENCY SUPPORT (ALE)

DT Gateway uses the Automatic Link Establishment (ALE) function of the DT modem to enable efficient multi-frequency operation.

MESSAGE ARCHIVE

DT Gateway provides an archive facility, which gives the operator an overview of all sent and received emails, and allows resending of failed emails.

Interface. This gives the operator a clear view of which messages still need to be delivered, and which have already been delivered.

CONFIGURATION

DT Gateway is configured with the DT USB Fill Device prepared by the DT System Configuration Software (SCS).

When used with a DT RA5 or RT5, the SCS configuration is automatically pushed from the terminal to DT Gateway, requiring very little configuration from the operator.

SECURITY

DT Gateway uses AES-256bit encryption to secure the content of all email messages. The security is configured with the DT USB Fill Device prepared by the DT Key Management Software (KMS).

DT TERMINAL INTEROPERABILITY

DT Gateway provides 100% mail interoperability with the DT Terminal, sharing all of the same configurations.

Data Terminal 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	32 GB HDD/SSD Storage	1024x768 Screen Resolution Compatible GSM Modem (for SMS gateway functionality)

Requirements	2GB RAM Memory 10/100 Ethernet Port	COTS Email Server (for email gateway functionality: SendMail, Hmail, etc)

DT Gateway Interfaces	
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)
DT Devices Supported	RM2, RA2, RA5, RT5

Data Terminal Gateway