

**RF-6750W****WIRELESS GATEWAY**

*automatically sends  
e-mail messages over radio  
links and LANs using  
STANAG 5066 and  
STANAG 4538*

The RF-6750W software package connects to an Ethernet-TCP/IP local area network and operates as a "radio" mail server. It provides transparent delivery of e-mail and files across multiple transmission media including HF/VHF/ UHF radio, LANs, landline, microwave, or satellite and is compatible with e-mail packages that run on a variety of platforms. The software integrates Harris-developed robust data transmission techniques with Commercial-Off-the-Shelf software for fast and reliable information transfer.

When installed on a Harris- or customer-provided PC, the RF-6750W forms a multi-media messaging system for transparent relay of e-mail and files over media that are prone to errors. It also automatically relays messages if the first route is blocked.

For HF use, the RF-6750W allows one of three protocols/waveforms to be used on the air: STANAG 5066 is the second generation NATO interoperability standard, STANAG 4538 is the third generation interoperability standard, and FED-STD-1052 is used for interoperability with legacy Harris Wireless products.

Messages are generated and received by terminals that are connected to the LAN or WAN. The sender sends a normal e-mail message and the RF-6750W automatically routes the message over the proper radio or landline link, and sends it to the final destination, adaptively selecting the best available channel.

The Wireless Gateway also includes the HUITSMail™ imaging application, an Outlook Extension that has many of the capabilities of the industry standard Harris Universal Imaging Transmission Software (HUITSTM™). It captures, manipulates, and sends high resolution images directly from the Outlook application. It enables transmission of high-resolution digital images using the Wireless e-mail system. HUITSMail includes wavelet compression that provides superior compression to JPEG. It translates between files in several different formats. The software supports the industry standard TWAIN interface for acquiring imagery from digital cameras or scanners.

The software runs under the Microsoft Windows 2000 Professional, Windows 2000 Server, or Windows XP Professional operating systems connected to a mail server (MS Exchange recommended). It includes a CD-ROM with installation software, a PCI or PC card (PCMCIA) synchronous communications card, and a manual.



**STANAG 5066**  
**STANAG 4538**



## Specifications for the RF-6750W

### General

<b>Fax Interfaces</b>	Via telephone line connection
<b>Encryption Supported</b>	In-line encryption using KG-84A, KG-84C, KY-99, KY-57, KIV-7, KY-58, KY-68, Off-line, end-to-end (i.e.; S/MIME, PGP), Encryption embedded in radios
<b>Logging/Archiving</b>	Incoming and outgoing messages, radio and modem activities, message archiving of all network message traffic
<b>Message Management</b>	Automatic resend of messages over alternate paths and media, configurable transmission times, random retry period for message retry, message ganging to same location
<b>Image Processing</b>	Zoom, crop, rotate, color/brightness adjust, histogram equalization, image annotations, symbol overlays
<b>Image Formats</b>	Harris wavelet, JPG, BMP, MAC, TIF, PNG

### Harris Equipment Interface

<b>Radios</b>	RF-5800H, PRC-150C, RF-5800V, PRC-117F, RF-5800M/U, RF-5022E, RF-5022, PRC-138, RF-1145, RF-7210 Based
<b>HF Modems</b>	RF-5710, RF-5710A, RF-5285
<b>Power Levels</b>	10W, 20W, 125W, 400W, 1kW, 5kW, 10kW

### Minimum PC Requirements

<b>CPU</b>	700 MHz
<b>RAM/Hard Disk</b>	256 MB/20 GB
<b>Operating System</b>	Windows 2000 Professional, Windows 2000 Server, or Windows XP Professional (English only)
<b>Mail Server</b>	Requires mail server on RF-6750W PC or on Local Area Network (MS Exchange recommended)
<b>Other</b>	Asynchronous serial port (2 ports with external modem), ethernet adapter, PCI or PC card (PCMCIA) slot

### Applicable Standards

<b>Local Area Networking</b>	TCP/IP
<b>Automatic Link Establishment</b>	MIL-STD-188-141A, STANAG 4538
<b>HF Modem</b>	MIL-STD-188-110B, MIL-STD-188-110A, STANAG 4539, STANAG 4538
<b>HF Link Protocols</b>	STANAG 5066, FED-STD-1052, STANAG 4538 (if embedded in radio)
<b>Messaging Interface</b>	SMTP, POP3
<b>Software Technology</b>	ActiveX, COM, MFC

### Ordering Information

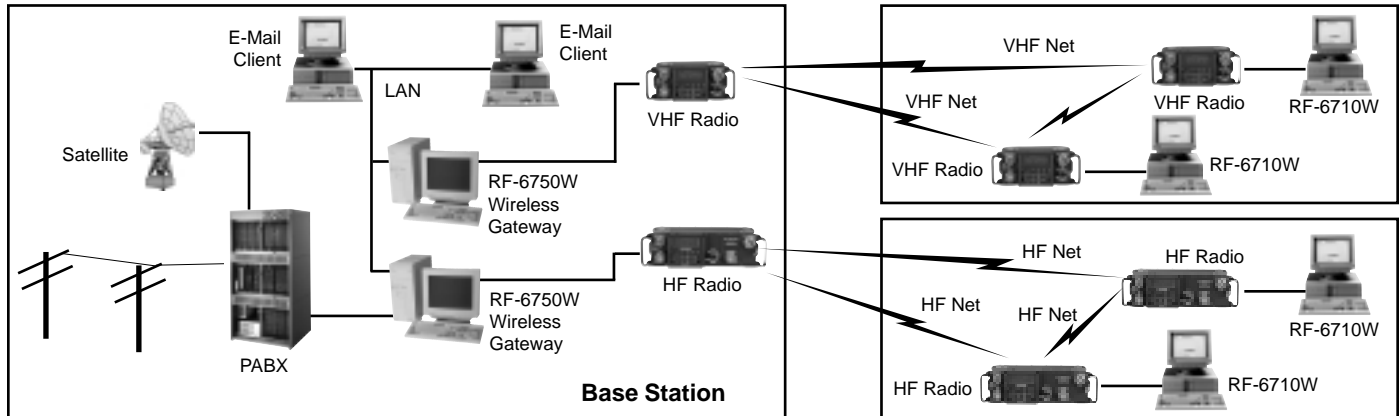
<b>RF-6750W-XXEN*</b>	English Series
<b>Where XX is</b>	02 for PC Card version (PCMCIA) 04 for PCI Version 03 for Asynchronous (RDP) versions

\*Software may be available in other languages. Please contact sales or product management for a description of the functionality of the non-English versions.

### Options

<b>RF-3577</b>	Series of Personal Computers
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### Sample Application



Specifications are subject to change without notice.



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