

RF-6705

TACTICAL CHAT IP

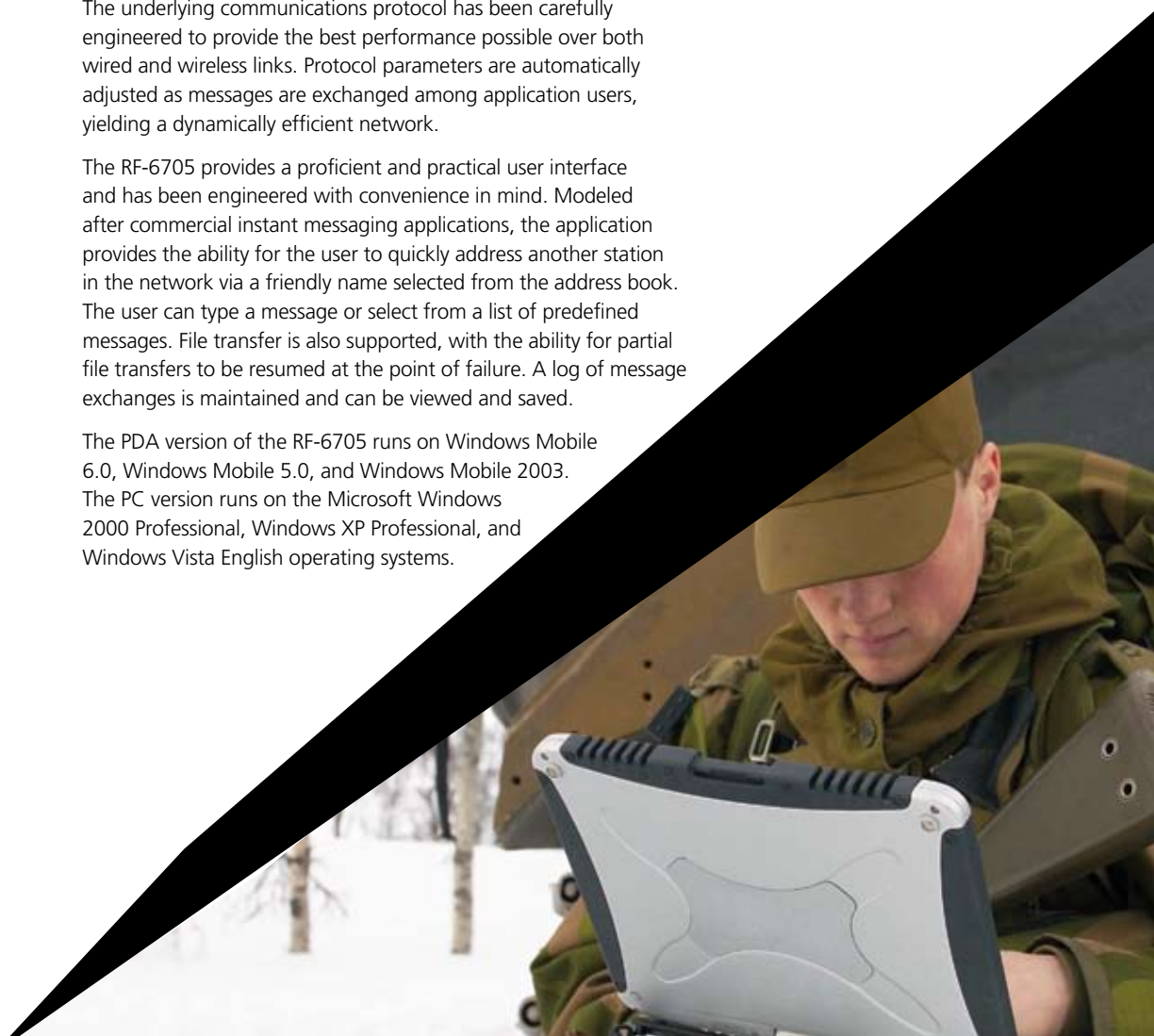
Messaging for PDAs and PCs

The RF-6705 Tactical Chat IP software is an easy-to-use and configure data application that provides the ability to exchange generic text messages and files among field and networked data terminals. The RF-6705 application supports both point-to-point (ARQ) and subnet-directed broadcast (non-ARQ) data transfer among the members of an IP subnetwork. By making use of the IP data capability of the RF-5800H-MP, AN/PRC-150(C), RF-5800V-MP, RF-5800V-HH, RF-5800M-HH, AN/PRC-117F(C), or any commercial IP infrastructure, messages can easily be exchanged between wired (e.g. Ethernet LAN) and wireless network users. The software runs on PDAs and PCs, and connects to the radio via an asynchronous RS-232 interface. No additional communications hardware is required.

The underlying communications protocol has been carefully engineered to provide the best performance possible over both wired and wireless links. Protocol parameters are automatically adjusted as messages are exchanged among application users, yielding a dynamically efficient network.

The RF-6705 provides a proficient and practical user interface and has been engineered with convenience in mind. Modeled after commercial instant messaging applications, the application provides the ability for the user to quickly address another station in the network via a friendly name selected from the address book. The user can type a message or select from a list of predefined messages. File transfer is also supported, with the ability for partial file transfers to be resumed at the point of failure. A log of message exchanges is maintained and can be viewed and saved.

The PDA version of the RF-6705 runs on Windows Mobile 6.0, Windows Mobile 5.0, and Windows Mobile 2003. The PC version runs on the Microsoft Windows 2000 Professional, Windows XP Professional, and Windows Vista English operating systems.



Specifications for the RF-6705

Features

Configuration and Deployment	<ul style="list-style-type: none"> FALCON II® Radio Programming Application (RPA) file import Centralized address book maintenance Easily exchange configuration data with other stations Automatic discovery of LAN users Direct connection to LAN or FALCON II radio
Message Generation	<ul style="list-style-type: none"> Select station from address book or specify IP address Define, select, and transmit predefined text messages Message composition via keyboard entry (soft keyboard for PDA), or handwriting recognition (if resident on PDA device) Attach and transmit files, including images Save and view chat log
Message Transmission	<ul style="list-style-type: none"> Automatic message compression Point-to-point (ARQ) and subnet-directed broadcast (non-ARQ) message transmission Resume failed file transfer from point of failure Automatic message logging Abort message transfer
Supported Harris Equipment	<ul style="list-style-type: none"> RF-5800H-MP with 10535-0775 cable AN/PRC-150(C) with 10535-0775 cable RF-5800V-MP with 10512-0775 cable RF-5800V-HH, RF-5800M-HH with 12011-0775 cable AN/PRC-117F(C) with 10513-0710 cable RF-6010 over LAN connection RF-7800S with 12055-0710 cable

Minimum PC Requirements

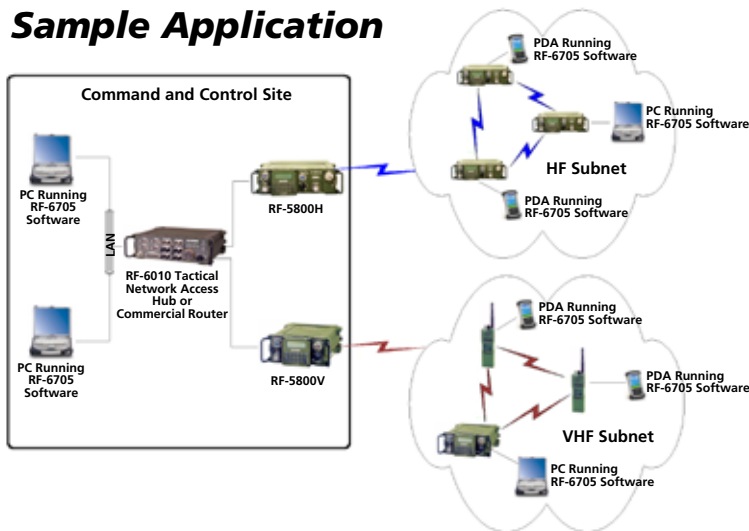
CPU	Intel Pentium 500 MHz
Operating System	<ul style="list-style-type: none"> Windows 2000 Professional, SP4 English Language Windows XP Professional, SP2 English Language Windows Server 2003 Windows Vista English Language
Memory (RAM)	512 MB
Hard Disk	80 GB
Display	Super VGA color monitor with 800 x 600 resolution
Input Devices	101-key keyboard, two-button mouse
I/O	<ul style="list-style-type: none"> One standard RS-232C serial port when connected directly to radio Ethernet connection when connected to LAN One USB Host Type A when connected to the RF-7800S radio

Minimum PDA Requirements

CPU	Intel StrongArm, Intel XScale
Platform	Windows Mobile 6.0, Windows Mobile 5.0
Memory (RAM)	128 MB
Display	240 x 320 color TFT
Input Devices	Stylus
I/O	<ul style="list-style-type: none"> One standard RS-232C serial port when connected directly to radio. Ethernet connection when connected to LAN. One USB Type A when connected to the RF-7800S radio.

Please consult with Harris concerning the compatibility of the RF-6705 software with your PDA.

Sample Application



Applicable Data Protocols

HF	STANAG 4538
VHF	Embedded Wireless IP Data Protocol
AN/PRC-117F	SATCOM High Performance Waveform Line-of-Sight High Performance Waveform
Network	IPV4, UDP/IP

Ordering Information

RF-6705-SW002	CD Media
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Accessories

RF-3577	Personal Computer Series
RF-3587	Series of Rugged PDAs

Please consult with Harris concerning the suitability of multiple RF hop scenarios.



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