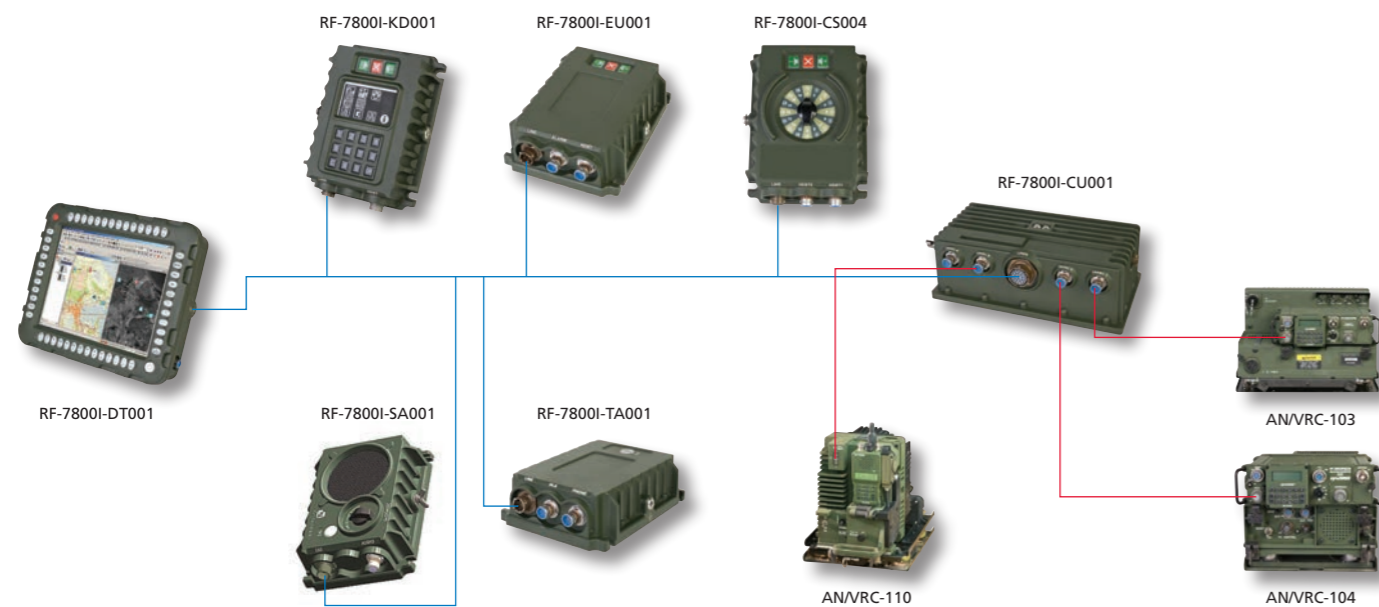


RF-7800I Tactical Intercom System

All Units	
Temperature range (MIL-STD-810F)	Operating: -32° to +50°C Storage: -50° to +65°C
Shock/vibration	MIL-STD-810F
RF-7800I-CU001 Central Unit	
Dimensions	10.1 L x 6.0 W x 3.3 H in.
Weight	4.9 lbs.
Power supply	18-36 VDC
RF-7800I-VS001 Vehicular Server	
Video	Integrated; optional 10.4 in. LCD touch-screen
Interface	Intercom line interface Up to 8x Ethernet 10/100 Mbps Optical Ethernet 10/100/1000 Mbps Up to 6x USB Up to 10 x RS-232 Video-in (RS-170)
Dimensions	11.2 L x 9.1 W x 6.7 H in.
Weight	17.6 lbs.
Power supply	18-36 VDC
RF-7800I-VC001 Vehicular Computer	
Display	10.4 in., 18-bit color, 800 x 600 pixels
Interface	Up to 10 serial ports (RS-232/422/485) Up to 6 USB v1.1 and v2.0 ports
Intercom interface	Intercom line interface Headset connector
Dimensions	11.2 L x 9.1 W x 2.6 H in.
Weight	8.8 lbs.
Power supply	18-36 VDC

RF-7800I-CS001 Commander Station	
Dimensions	6.8 L x 5.0 W x 2.4 H in.
Weight	2.1 lbs.
Power supply	RF-7800I-CU001 Central Unit
RF-7800I-EU001 End-User Unit	
Dimensions	6.8 L x 5.0 W x 2.0 H in.
Weight	2.1 lbs.
Power supply	RF-7800I-CU001 Central Unit
RF-7800I-DU001 RF-7800I-KD001 Display Unit Keypad Display	
Dimensions	6.8 L x 5.0 W x 2.1 H in.
Weight	2.1 lbs.
Power supply	18-36 VDC Display Unit 18-36 VDC or Keypad Display RF-7800I-CU001 Central Unit
RF-7800I-SA001 Speaker Amplifier	
Dimensions	6.8 L x 5.0 W x 2.4 H in.
Weight	2.6 lbs.
Power supply	18-36 VDC (requires separate line to vehicle)
RF-7800I-TU001 RF-7800I-TA001 Telephone Unit Telephone and Alarm Unit	
Dimensions	6.8 L x 5.0 W x 2.0 H in.
Weight	2.1 lbs.
Power supply	18-36 VDC



RF-7800I Tactical Intercom System

Harris, a leading supplier of tactical vehicle radio systems, introduces the newest complement to its world-class radio products: the RF-7800I Tactical Intercom System.

Built to MIL-STD-810F specifications, the rugged Tactical Intercom System is a fully integrated solution for vehicle communications that can interoperate with and control Harris radios. Its modular, open architecture allows configuration for any vehicle and any mission via a simple, intuitive set-up. Each unit is programmed from the Central Unit, but also includes a user-accessible voice menu for configuring options and settings.

All units feature the same easy-to-use three-button warning and volume control system. The center red button lights to indicate a pending warning status; the two green buttons—used for adjusting headset volume—send an alarm when pressed simultaneously, overriding voice transmissions from all but the alerting unit.

The RF-7800I Tactical Intercom System: the customizable, reliable choice for vehicular intercom communications—any vehicle, any mission.

System Components

RF-7800I-CU001 Central Unit

The Central Unit is the intercom system's main component, distributing voice messages and monitoring both vehicle system status and end-user controls and indicators. The unit provides independent switching of 16 voice streams, routing of 16 data channels and control of four radio transceivers. Connection ports include four radio transceiver voice ports, four general-purpose serial ports, 12 peripheral connections to crew member stations/remote links and an Ethernet port supporting TCP/IP. The Central Unit allows external connection transmissions at distances up to 1200 meters with use of standard military field wire.



RF-7800I-EU001 End-User Unit

Intended for subordinate crew member use, the End-User Unit is a simple receiver-only version of the RF-7800I-CS001 Commander Station. Powered by the RF-7800I-CU001 Central Unit, the End-User Unit features one headset connection port and a choice of the following additional connector options: an additional serial communications port, a second headset connector port, or eight alarm signal inputs.

RF-7800I-EU001	Headset (1), RS-232 port
RF-7800I-EU002	Headsets (2)
RF-7800I-EU003	Headset (1), 8 alarm channels



RF-7800I-VS001 Vehicular Server

When installed on command vehicles, the Vehicular Server provides interoperability with battlefield LAN/WAN networks. Software tools can be packaged with the server for enhanced information exchange, including: web, email, file and application servers; radio network management software; analog/digital radio interface; and diagnostic and configuration tools.



RF-7800I-DU001 Display Unit

The Display Unit's high-contrast LED screen displays short messages and commands sent by the RF-7800I-CU001 Central Unit or a PC terminal connected to the intercom network. Each Display Unit on the intercom network can receive and display individual messages, while the Central Unit's operator can monitor message receipt and task completion.



RF-7800I-VC001 Vehicular Computer

The rugged Vehicular Computer provides onboard control of the intercom system and a vehicle-based command post. It features a Pentium PC architecture and 10.4" color display with a full set of operating keys. Up to six USB ports and 10 serial port connections are available on the unit.

RF-7800I-KD001 Keypad Display

An advanced version of the RF-7800I-DU001 Display Unit, the Keypad Display also displays messages and commands on its LCD screen, but combines voice station functionality with data terminal capabilities. The unit's incorporated keypad allows input of numeric information and control codes, which are processed by the RF-7800I-CU001 Central Unit and redirected to other networked intercom devices.

RF-7800I-CS001 Commander Station

The Commander Station features a 16-position rotary switch with each position programmable for a different operational mode. Commanders can easily monitor selected channels, conference with certain intercom users, control radio transceivers connected to the intercom system, or access external connections. Powered by the RF-7800I-CU001 Central Unit, the Commander Station is available with the following configurations of connector ports:

RF-7800I-CS001	Headset (1)
RF-7800I-CS002	Headsets (2)
RF-7800I-CS003	Headset (1), 8 alarm channels
RF-7800I-CS004	Headset (1), RS-232 port



RF-7800I-SA001 Speaker Amplifier

The Speaker Amplifier projects the audio broadcast voice channels selected during intercom system configuration. Its high-power, broadband speaker makes the unit ideal for command broadcasts or channel monitoring. The Speaker Amplifier is waterproof and incorporates an 8-watt amplifier and five-setting volume control knob.

RF-7800I-TU001 Telephone Unit RF-7800I-TA001 Telephone and Alarm Unit

The Telephone Unit allows connection between a field telephone and the vehicle's intercom system, and to other vehicles' intercom systems regardless of manufacturer. An upgraded version, called the RF-7800I-TA001 Telephone and Alarm Unit, includes a built-in alarm able to monitor up to eight warning signals originated by vehicle subsystems.

