HARRIS RF-7800B-DU024
LAND PORTABLE BGAN TERMINAL

The Harris RF-7800B-DU024 Land Portable Broadband Global Area Network (BGAN) Terminal provides high-speed SATCOM capabilities to dismount forces. When paired with the Harris Falcon III® Manpack Vehicular Amplifier Adapter, the terminal extends the range of wideband networks beyond the limitations of ground-based Line-Of-Sight (LOS) communications. This Class 2 global connectivity solution is MIL-STD ruggedized for top performance in extreme conditions.

KEY BENEFITS
- High-speed IP data rates up to 492 kbps
- Rapid deployment for dismount forces
- Seamless transition between SATCOM and LOS communications
- Easy set up and operation

This Harris Land Portable BGAN Terminal features a system of manually pointed antennas engineered for military applications but is also appropriate for rapid deployment by law enforcement, homeland security or disaster-relief operations. When used with the Harris Falcon III® AN/PRC-117G(V)1(C) or RF-7800M-MP manpacks, the terminal harnesses ANW2®C ad-hoc networking capabilities to automatically route between mobile wideband LOS and Beyond-Line-Of-Sight communication nodes.

This, along with increased data throughput capabilities of up to two Mbps over an INMARSAT satellite, helps users better manage subscriber time and related costs.

The Harris RF-7800B-DU024 is engineered for quick set up and operation. Users can configure, remotely control and provide status and fault monitoring for the terminal using the front panel of Harris Falcon III manpack radios.
About Harris Corporation
Harris Corporation is a leading technology innovator, solving customers' toughest mission-critical challenges by providing solutions that connect, inform and protect. Harris supports government and commercial customers around the world.

Learn more at harris.com.

FLORIDA | NEW YORK | VIRGINIA | BRAZIL | UNITED KINGDOM | UAE | SINGAPORE

SPECIFICATIONS FOR: HARRIS RF-7800B-DU024 LAND PORTABLE BGAN TERMINAL

GENERAL
Full IP Capability
Email, Web browsing, FTP, etc.

INMARSAT Certified
Land mobile user equipment Class 2
BGAN background user data rates up to 432 kbps
BGAN streaming QoS: User data rates of 32, 64, 128 kbps
Global coverage

Multi-user capability of up to 11 simultaneous primary user contexts/sessions
IP network bridging mode and modem mode support
FCC, CS, GMPCS/ITM certified

SPECIFICATIONS
Dimensions
9.5 H x 9.5 W x 2.5 D in (24.1 H x 24.1 W x 6.5 D cm)
Weight
6.2 lbs (2.8 kg)
BGAN Satellite
Tx: 1626.5-1660.5 MHz and 1668-1675 MHz (Alphasat satellite only)
L-Band Frequency
Rx: 1525-1559 MHz and 1518-1559 MHz (Alphasat satellite only)
Operation
Full-duplex, BLOS operation
Power Options
Single BA-5590 style battery, 120/240 AC power supply, standard vehicle DC adapter

ENVIRONMENTAL
Ruggedness
MIL-STD-810F
Immersion
1 meter (3 ft)
EMI
MIL-STD-461E
Compliance
ROHS

INTERFACES
Data
Ethernet, USB
ISDN
Voice (4 kbps), data (64 kbps)
DC Power
12/24 VDC
User-removable SIM card slot
Simultaneous use of all interfaces

STANDARD ACCESSORIES
12043-0894-A1
AC/DC Power Supply
12043-0833-A010
Standalone Ethernet Cable
12091-0060-01
AN/PRC-117G, RF-7800M-MP Land Portable Ancillary Kit
12091-4010-01
Battery Box and Cover Kit
12043-0830
AN/PRC-117G, RF-7800M-MP Black Ethernet Cable
12043-0831
AN/PRC-117G, RF-7800M-MP Black Ethernet and ISDN Cable
12043-0834-A010
Standalone Ethernet and ISDN Cable
12043-0835-A010
Standalone ISDN Cable
12043-0836-A010
Standalone USB and ISDN Cable
12043-0837-A015
Data Extension Cable, Ethernet and ISDN
12043-0850-A006
Battery Box Cable
12043-0891-A015
BGAN DC Power to RF-505X PS
12043-0843-A015
Automobile 12 VDC Power Cable
12043-0895-A015
Power Extension Cable
12043-0896-A015
BGAN DC Power to 2 Leads
12091-4160-01
ISDN to POTS Converter
12091-4150-01
BGAN Land Portable Fixed Mounting Kit

Tactical area communications system utilizing RF-7800B terminals

About Harris Corporation
Harris Corporation is a leading technology innovator, solving customers' toughest mission-critical challenges by providing solutions that connect, inform and protect. Harris supports government and commercial customers around the world.

Learn more at harris.com.

Non-Export Controlled Information
Harris is a registered trademark of Harris Corporation.
Trademarks and trade names are the property of their respective companies.
© 2017 Harris Corporation 08/17 DS420H