

RF-7800B-DU024

Land Portable BGAN Terminal

The L3Harris RF-7800B-DU024 Land Portable Broadband Global Area Network (BGAN) Terminal provides high-speed SATCOM capabilities to dismount forces. When paired with the L3Harris 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.



This L3Harris 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 L3Harris

Falcon III® AN/PRC-117G(V)1(C) or RF-7800M-MP manpacks, the terminal allows 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.

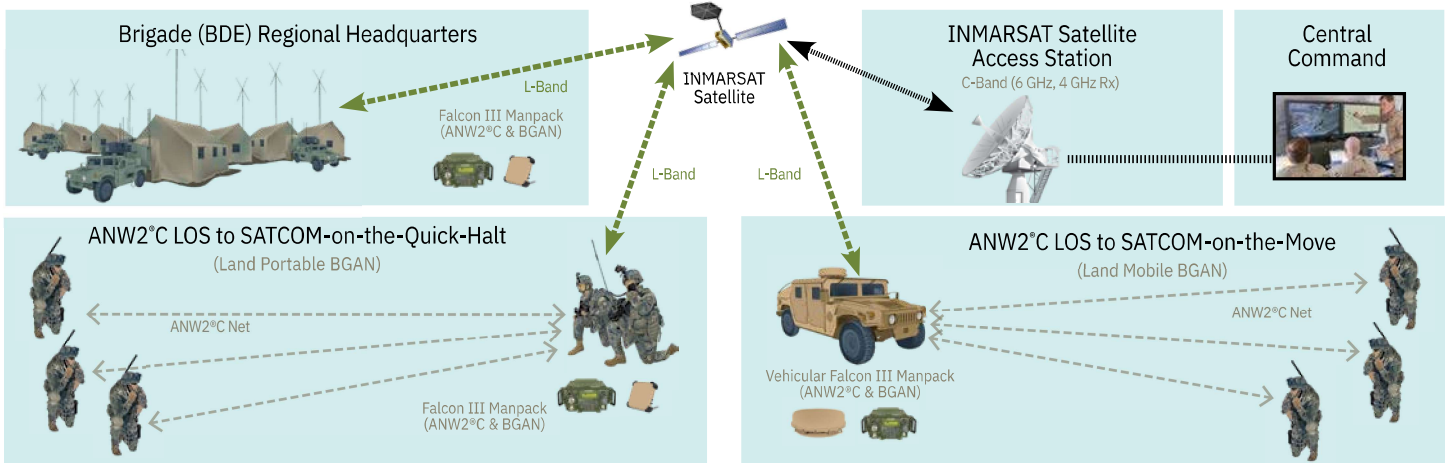
The L3Harris RF-7800B-DU024 is engineered for quick set up and operation. Users can configure, remotely control and provide status and fault monitoring for the terminal using the front panel of L3Harris Falcon III manpack radios.

HIGH-SPEED SATCOM CONNECTIVITY AT-THE-HALT

KEY BENEFITS

- > High-speed IP data rates up to 432 kbps
- > Rapid deployment for dismount forces
- > Seamless transition between SATCOM and LOS communications
- > Easy set up and operation

TACTICAL AREA COMMUNICATIONS SYSTEM UTILIZING RF-7800B TERMINALS



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, C5, 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	L-Band TX: 1625.5 - 1660.5 MHz RX: 1525 - 1559 MHz Alphasat Satellite: TX: 1668 - 1675 MHz RX: 1518 - 1559 MHz
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

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

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L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.



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