

RF-7800B-VU104

LAND MOBILE BGAN TERMINAL

*Assured mobile connectivity across
extended battlespace*

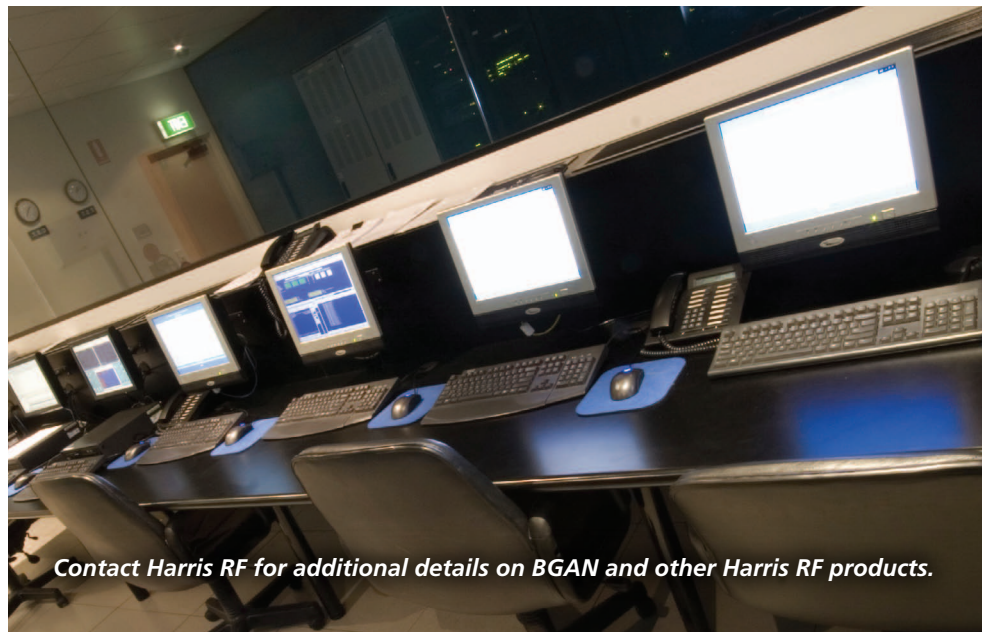


The RF-7800B-VU104 Land Mobile Broadband Global Area Network (BGAN) SATCOM Terminal provides a tactical radio network capability that enhances the FALCON III® multiband radio family. The RF-7800B-VU104 is a Class 10 BGAN SATCOM-on-the-Move (SOTM) Terminal that provides data rates of up to 492 kbps while on the move. The RF-7800B-VU104 is the only rugged BGAN SOTM terminal available today.

The RF-7800B-VU104 antenna may be permanently mounted on a vehicle and continuously tracks with the INMARSAT satellite for successful communications. The RF-7800B-VU104 can be considered for global network connectivity solutions when used with a computer for standalone terminal applications such as law enforcement, homeland security, or humanitarian and disaster relief efforts.

When used with the AN/PRC-117G(V)1(C) or the RF-7800M-MP manpack radios, the terminal provides a multi-mode system that utilizes ad-hoc networking to automatically route between mobile wideband networked line-of-sight (LOS) nodes, adding global beyond-line-of-sight (BLOS) satellite connectivity. The Falcon III integrated system manages Inmarsat subscriber costs through the automated routing between ANW2 LOS and BLOS nodes. The system is designed to ensure a seamless tactical network-centric BLOS connectivity to the existing FALCON III tactical networks, providing secure IP data transfer capability and increased communications reliability. When used with the Falcon III manpack radios, the Harris BGAN terminals can provide an increased effective throughput of up to 2 Mbps over the Inmarsat network due to TCP/IP acceleration and compression algorithms within the ANW2 waveform further reducing Inmarsat subscriber costs.

The Harris BGAN Terminal IP data is encrypted by the Sierra II™ Type-1 algorithms in the AN/PRC-117G or the Acropolis™ II AES encryption algorithms in the RF-7800M-MP. The embedded software of the manpack radio provides the ability to fully configure, remotely control and provide status and fault monitoring of the RF-7800B-VU104 BGAN Terminal using the radio's front panel, making it the easiest BGAN terminal to set up and operate.



Contact Harris RF for additional details on BGAN and other Harris RF products.

