

# Hughes 9450E-C11 BGAN Mobile Satellite Terminal

**HUGHES**

**inmarsat**

## Broadband Comms-on-the-Move Satellite IP Terminal

Customers can now connect at IP broadband speeds of up to 464 kbps while on-the-move using the world's smallest mobile BGAN terminal—the Hughes 9450E-C11. The Hughes 9450E-C11 terminal is fully approved for operation on Inmarsat's Broadband Global Area Network (BGAN) satellite service and provides high-performance, on-the-move connectivity for the most demanding environments.

The Hughes 9450E-C11 is a budget-friendly and highly competitive mobile terminal, ideal for government, first responders, public safety, mobile healthcare, and remote mobile fleet personnel in industries such as utility, oil and gas, forestry, cable, and telecommunications.

Corporate disaster planners and remote field personnel can collaborate reliably and efficiently with various agencies and headquarters staff using video, voice, and data simultaneously. The Hughes 9450E-C11 terminal is IP-based and offers selectable, dedicated Quality of Service (QoS) levels.

Simple, quick, and flexible options are available for installation on any vehicle. The mini-antenna may be permanently mounted for fleet-style installation or the optional magnetic roof mount can be used for rapid installation and removal.

The Hughes 9450E-C11 terminal also has four (4) Ethernet ports with Power over Ethernet (PoE) that allow the user to connect multiple devices. The terminal supports analog and ISDN circuit-switched voice calls, along with fax and 64 kbps ISDN data.



## Features

- Fully autonomous tracking antenna acquires and tracks the BGAN satellite signal while on-the-move
- Simultaneous use of Ethernet ports
  - Four Power over Ethernet (PoE) ports
  - Two RJ-11 ports; one each for voice and fax
  - ISDN port
- Internal Web User Interface (UI) for configuration and control without the use of LaunchPad
- Auto context activation feature allows data connections to be activated without user action

## Services

- Up to 464 kbps shared data rate and 128 kbps streaming IP
  - Selectable Quality of Service (32 kbps, 64 kbps, 128 kbps)
- Circuit-switched services: speech (4 kbps), 3.1 kHz audio (64 kbps), ISDN data (64 kbps)\*

\*3.1 kHz audio and 64 kbps ISDN data are network limited to look angles above 45 degrees

## Package Includes

- Hughes 9450E-C11 Mobile Satellite Terminal
- Tracking antenna, RF cable, and power cable (magnetic mounts are optional)  
Note: This cable length can be changed, but the maximum loss must be less than <10 dB at 1.6 GHz.
- User Guide and Installation Guide (see [BGAN.Hughes.com](http://BGAN.Hughes.com) for PDFs)

## About Hughes Network Systems

Hughes Network Systems, LLC (Hughes) is the global leader in satellite broadband for home and office, delivering innovative technology solutions and a comprehensive suite of HughesON™ managed services for enterprises and governments worldwide. HughesNet® is the #1 high-speed satellite Internet service in the marketplace, with offerings to suit every budget. To date, Hughes has shipped more than 5 million systems to customers in more than 100 countries, representing approximately 50% market share. Its products employ global standards approved by the TIA, ETSI and ITU organizations, including IPoS/DVB-S2, RSM-A, and GMR-1. Headquartered outside Washington, D.C., in Germantown, Maryland, USA, Hughes operates sales and support offices worldwide, and is a subsidiary of EchoStar Corporation (NASDAQ: SATS), a premier global provider of satellite operations and digital TV solutions.

## Technical Specifications

### Transceiver

Weight:	2.3 Kg
Dimensions:	46 mm x 281 mm x 234 mm
Humidity:	95% RH at +40° C
Temperature:	-25° C to +55° C operating
Power: Idle:	32 W**
Max:	65 W** (when transmitting)
Input Voltage:	12 V or 24 V systems

\*\*Does not include power supplied to PoE devices

### Antenna

Weight:	2.0 Kg
Dimensions:	252 mm x 119 mm
Humidity:	95% RH at +40° C
Temperature:	-25° C to +55° C operating -40° C to +80° C survival
Wind:	125 mph (200 km/h)
Exception for Magnetic Mount:	100 mph (160 km/h)
Water and Dust:	IP56 antenna
Ice:	25 mm non-operational

For additional information, please contact us at 1-866-569-5153 or email [BGANsales@hughes.com](mailto:BGANsales@hughes.com).