

# Hughes 9450E-C10 BGAN Mobile Satellite Terminal

Customers can now connect at IP broadband speeds of up to 492/492 kbps while on-the-move using the Hughes 9450E-C10. The Hughes 9450E-C10 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-C10 is a 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-C10 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 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-C10 terminal also has four (4) Ethernet ports with Power over Ethernet.



## Features

- Fully autonomous tracking antenna acquires and tracks the BGAN satellite signal while on-the-move
- Ethernet for IP data, including RJ-11 or ISDN for voice
  - 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 need for LaunchPad™
- Auto context activation feature allows data connections to be activated without user action
- Multi-user capability (up to 11 simultaneous sessions)

## Services

- Up to 492 kbps shared standard IP data rate and 256 kbps streaming IP
  - Selectable Quality of Service (32 kbps, 64 kbps, 128 kbps or 256 kbps\*)
- Circuit-switched services: speech (4 kbps), 3.1 KHz audio, ISDN data (64 kbps)\*

\*3.1 KHz audio and 64 kbps ISDN data are network limited to look angles above 20 degrees and 256 kbps streaming is network limited to look angles above 45 degrees.

## Package Includes

- Hughes 9450E-C10 Mobile Satellite Terminal
- Tracking antenna, 10-meter RF cable, and power cable.  
Note: This cable length can be changed, but the maximum loss must be less than <10 dB at 1.6 GHz.
- Magnetic mounts.
- User Guide and Installation Guide.  
(Visit [bgan.hughes.com](http://bgan.hughes.com))

## 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 -25° C to +80° C storage
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:	5.5 Kg
Dimensions:	477 mm Dia x 152 mm H
Humidity:	95% RH at 40° C
Temperature:	-25° C to +55° C operating -25° C to +80° C survival
Wind:	125 mph (200 km/h) Exception for magnetic mount: 100 mph (160 km/h)
Water and Dust:	IP-56 antenna
Ice:	25 mm non-operational
Vehicle Motions:	Turning Rate: 40°/s Turning acceleration: 50°/s <sup>2</sup>



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