HUGHES
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DATASHEET

Hughes 9450E-C11 BGAN Mobile Satellite Terminal

Compatible with both BGAN and BGAN M2M SIMs

Low Cost Vehicular BGAN

inmarsat

Using the world's smallest C11 mobile BGAN terminal package, customers can connect at IP broadband speeds of up to 464 kbps while on-the-move or on-the-pause. 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.



Powered by the smallest C11 antenna, 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 has ISDN, voice and fax as well as four (4) Ethernet ports with Power over Ethernet (PoE) that allow the user to connect multiple devices.











Hughes 9450E-C11 BGAN Mobile Satellite Terminal

Features

- Fully autonomous tracking antenna acquires and tracks the BGAN satellite signal while on-the-move
- Simultaneous use of Ethernet and ISDN or RJ-11
  - Four Ethernet ports supporting multiple devices, four port 802.3af PoE or two port 802.3at PoE+
- Two RJ-11 ports; one each for voice and fax
- Internal Web User Interface (UI) for configuration and control
- Auto context activation feature allows data connections to be activated without user action
- Basic NAT, NAPT and Relay Mode IP connection options
- ISDN

Services

- Compatible with both BGAN and BGAN M2M SIMs
- Remote management support
- Asset tracking option available
- Up to 464 kbps shared data rate and 128 kbps streaming IP
- Selectable Quality of Service (32 kbps, 64 kbps, 128 kbps)
- ISDN Circuit-switched services: speech (4 kbps), 3.1 kHz audio (64 kbps)*

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

Package Includes

- Hughes vehicular satellite IDU terminal
- Tracking antenna, RF cable, and power cable (magnetic mounts are optional)
  - The RF cable can be changed; however, maintain a maximum loss less than <10 dB at 1.6 GHz
- User and Installation Guides (see BGAN.Hughes.com for PDF)

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

Hughes 9450 Features by Model	L	LW	TW	E
Use a BGAN or M2M SIM card	Y	Y	Y	Y
Built-in 802.11 b/g/n Wi-Fi Access Point	N	Y	Y	N
Two RJ11 ports for telephony and fax	N	N	Y	Y
Built-in Four Port Ethernet	Y	Y	Y	Y
Four Port PoE	N	N	Y	Y
Attach a C10 or C11 antenna	Y	Y	Y	Y
C10 background IP up to 492/492 kbps	Y	Y	Y	Y
C10 streaming QoS up to 265 kbps	Y	Y	Y	Y
C11 background IP up to 464/464 kbps	Y	Y	Y	Y
C11 streaming QoS up to 128 kbps	Y	Y	Y	Y

For additional information, please contact Hughes at 1-866-569-5153 or email BGANsales@hughes.com.

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