Hughes 9450-C10 BGAN Mobile Satellite Terminal

HUGHES®

Broadband satellite IP terminal, including ISDN and integrated WLAN (Wi-Fi Hot Spot) access point

Customers can connect at broadband speeds of up to 492 kbps standard IP using the reliable Hughes 9450-C10. The Hughes 9450-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 9450-C10 is a popular, budget-friendly, and highly competitive global 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.

Remote personnel can collaborate reliably and efficiently with various agencies peer-to-peer, and with headquarters staff using video, voice, and data simultaneously. As with all Hughes portable and mobile BGAN models, the Hughes 9450-C10 includes a built-in wireless Wi-Fi access point, which can be enabled, if required. The Hughes 9450-C10 terminal is IP based and offers selectable, dedicated Quality of Service (QoS) levels, and also supports 64 kbps ISDN data, 3.1 KHz audio for secure calls, and 4k ISDN voice for standard voice calls.

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 antenna includes a single, 8-meter RF cable connection.

The Hughes 9450-C10 terminal has four 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 and Wi-Fi for IP data, including RJ-11 or ISDN for voice
  - Four Power over Ethernet (PoE) ports
  - Built-in WLAN (Wi-Fi) access point
  - 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 9450-C10 Mobile Satellite Terminal

- Tracking antenna, 8 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)

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°/s2

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