

# Hughes 9450 BGAN Mobile Satellite Terminal

**HUGHES**

**inmarsat**

## Broadband satellite IP terminal and WLAN (Wi-Fi Hot Spot) access point

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 9450. The Hughes 9450 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 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. As with all Hughes BGAN models, the Hughes 9450 includes a built-in wireless Wi-Fi access point. The Hughes 9450 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 antenna includes a single, 8 meter RF cable connection.

The Hughes 9450 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 and WLAN for IP data plus RJ-11 or ISDN for voice
  - Four Power over Ethernet (PoE) ports
  - Built-in WLAN 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 use of LaunchPad
- Web MMI is accessible via Wi-Fi enabled smart phones
- Auto context activation feature allows data connections to be activated without user action
- Multi-user capability (up to 11 simultaneous sessions)

## 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 9450 Mobile Satellite Terminal
- Tracking antenna, 8 meter RF cable, and power cable (magnetic mounts are optional)
- User Guide and Installation Guide (see [BGAN.Hughes.com](http://BGAN.Hughes.com) for PDFs)

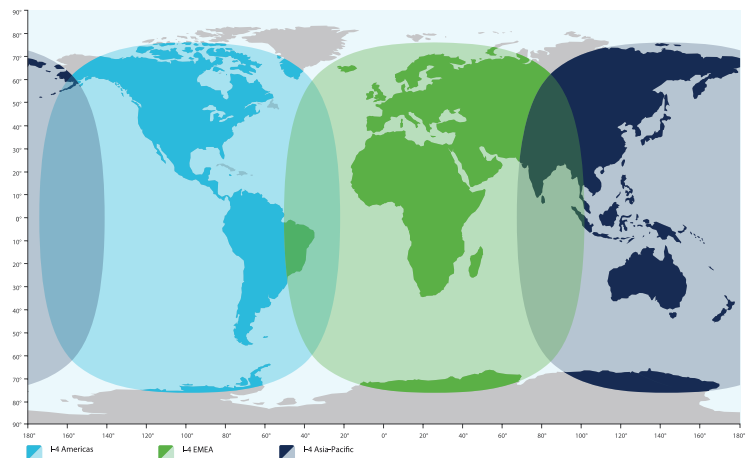
## Technical Specifications

### 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



This map depicts the manufacturer's expectations of coverage post registration of the I4 satellites. This map does not represent a guarantee of service. The availability of service at the edge of coverage areas fluctuates depending on various conditions.

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

Produkt	Wideye Sabre Ranger	Hughes 9202 M2M	Explorer 325	Explorer 727	Hughes 9350-C10	Hughes 9450-C11
<b>Hersteller</b>	Addvalue Communication www.wideye.com.sg	Hughes Network Systems www.hughes.com	Cobham plc www.cobham.com	Cobham plc www.cobham.com	Hughes Network Systems www.hughes.com	Hughes Network Systems www.hughes.com
<b>Montageart</b>	Festinstallation	Festinstallation	Fahrzeug	Fahrzeug	Fahrzeug	Fahrzeug
<b>Stromversorgung</b>						
<b>DC input</b>	15V	12 / 24V	10,5 - 32V	10 - 32V	12 / 24V	12 / 24V
<b>Größe mm</b>	305 x 186 x 49	150 x 200 x 45 Transceiver 385 x 385 x 33 Antenne	278 x 231 x 41 Transceiver Ø 350 x 120 Antenne	270 x 247 x 42,5 Transceiver Ø 476,5 x 160 Antenne	260 x 256 x 50 Transceiver Ø 477 x 153 Antenne	281x 234 x 46 Transceiver Ø 252 x 119 Antenne
<b>Gewicht</b>	1,5 kg	1,2 kg Transceiver 1,9 kg Antenne separat	2,4 kg Transceiver 4,5 kg Antenne autom. nachführend	2,4 kg Transceiver 6,0 kg Antenne autom. nachführend	2,8 kg Transceiver 5,5 kg Antenne autom. nachführend	2,3 kg Transceiver 1,9 kg Antenne autom. nachführend
<b>Antenne</b>	fest integriert					
<b>Standard IP bis zu upload/download</b>	240 / 384 kbit/s		384 / 384 kbit/s	432 / 432 kbit/s	492 / 492 kbit/s	400 / 400 kbit/s
<b>Streaming IP</b>	32, 64 kbit/s		32, 64,128 kbit/s	32, 64,128, 256 kbit/s QoS	32, 64,128, 256 kbit/s QoS bei Inklination >45°	32, 64,128, 256 kbit/s QoS bei Inklination >45°
<b>Schnittstellen Sprache</b>	1 x RJ-11		1 x RJ-11	1 x RJ-45 2 x RJ-11 3,1 kHz audio	1 x RJ-45 2 x RJ-11 3,1 kHz audio-Fax	1 x RJ-45 2 x RJ-11 3,1 kHz audio
<b>Schnittstellen Daten</b>	1 x Ethernet SCADA  3GPP AT Commands	1 x Ethernet  USB RS-232 (DB9)	2 x Ethernet PoE  5 x I/O	4 x Ethernet PoE  5 x I/O	1 x Ethernet PoE WLAN 802.11b USB Nutzung simultan mgl.	4 x Ethernet PoE WLAN 802.11b  Nutzung simultan mgl.
<b>ISDN</b>				UDI/RDI 64/56 kbit/s	64 kbit/s über RJ-45	64 kbit/s
<b>Multi-User</b>	-	-	2	4	11	11
<b>Schutzklasse</b>	IP65	IP 40 Transceiver IP 65 Antenne	IP 31 Transceiver IP 56 Antenne	IP 31 Transceiver IP 56 Antenne	IP 54 Transceiver IP 56 Antenne	N/A Transceiver IP 56 Antenne