

# Hughes 9211 BGAN Satellite Terminal

## High Data Rate (HDR) mobile satellite terminal with voice and built-in 802.11 b/g/n Wi-Fi access point

The rugged and lightweight Hughes 9211 is a budget-friendly High Data Rate terminal, ideal for media, governments, NGOs, mobile healthcare providers and more, who demand the finest balance of high performance, quality of service and lowest cost.




The Hughes 9211 boasts a hardened, compact, and sleek design—the world’s smallest and lightest HDR-capable BGAN. Users can connect at streaming broadband speeds of over 650 kbps with features such as built-in, multi-user WiFi access.

An external powered antenna is available to support long RF cable runs for temporary or permanent fixed-site installations. The user even has the freedom to connect an accessory vehicular tracking antenna, enabling comms-on-the-move directly from the Hughes 9211 terminal.

The Hughes 9211 enables users to send and receive IP traffic via Ethernet and/or 802.11 b/g/n Wi-Fi and voice or fax via a standard telephone connection. It is all IP-based and offers Class 1 background IP or selectable, dedicated Quality of Service (QoS) levels.

Inmarsat’s BGAN HDR service network now offers new and higher streaming rates. The Hughes 9211 supports the highest streaming rates available (above 650 kbps) for transmitting video and other critical data from the field. Asymmetric streaming rates are supported, enabling users to better tailor the service to their individual preferences to control and minimize costs.



Hughes 9211 BGAN Data Services			
TERMINAL COMBINATIONS	PORTABLE	PAIRED WITH C11 ANTENNA	PAIRED WITH C10 ANTENNA
HDR ASYMMETRIC	YES Full channel 650 kbps+ Half channel 280-350 kbps	NO	NO
SYMMETRIC STREAMING	X-Stream	128/128 kbps	256/256 kbps
BACKGROUND IP	492/492 kbps	464/464 kbps	492/492 kbps

## Features

### Main Features

- Rugged and durable IP65 rating
- User-friendly LCD display with four-button control
- 802.11 b/g/n Wi-Fi supporting multiple user access
- Wireless security supports WEP, WPA, and WPA2 encryption
- Advanced Web user interface
- Automatic context activation
- Accessory vehicular or fixed external antenna options
- HDR streaming

### Interfaces

- Ethernet connection (RJ45)
- POTS connection for voice and fax (RJ11)
- External antenna connector
- Compass and audio tone to assist in antenna pointing

### Package Contents

- Hughes 9211 Terminal
- Rechargeable lithium ion battery pack
- 5m Ethernet cable
- AC/DC adaptor, three IEC cables, one each for UK, EU, and US connections

### Optional Accessories

- External vehicular tracking antenna
- DC-DC power adapter
- Spare lithium battery
- Extended warranty options

## Technical Specifications

Satellite TX Freq:	1626.5–1660.5 MHz
Satellite RX Freq:	1525–1559 MHz
SAT Continuous TX:	Up to 2 hours HDR streaming
SAT Continuous RX:	Up to 4 hours at 256 kbps on one charge
SAT Standby:	Up to 36 hours
Weight:	2.0 kg
Dimensions:	232 mm x 292 mm x 51 mm
Operating Temp:	-5 °C to +55 °C with battery* -25 °C to +55 °C excluding battery
Battery Charging Temp:	0 °C to 40 °C
Storage Temp:	-25 °C to +60 °C with battery -25 °C to +80 °C excluding battery
Humidity:	95% RH at +40 °C
Wind:	Operational wind loading (with stand secured to ground): 40 km/h (25 mph)
Water and Dust:	IP-65 Compliant
Vibration:	200-2000 Hz, 0.3m2/s3, MIL-SPEC 810B
Phone:	Two-line RJ11 connector
Data Connectivity:	RJ45 Ethernet, 802.11 b/g/n WLAN
Other Features:	Rechargeable lithium ion battery SIM/USIM slot behind battery Mounting point on terminal Compass to assist pointing External antenna options

\*Recommend using external battery or power source for continuous TX above 40 °C.



For additional information, please email [BGANsales@hughes.com](mailto:BGANsales@hughes.com).