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

The rugged and lightweight Hughes 9211-HDR 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 9211-HDR 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 9211-HDR terminal.

The Hughes 9211-HDR enables users to send and receive IP traffic via Ethernet and/or 802.11 b/g/n WiFi 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-HDR 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.

Features

Main Features

- Rugged and durable IP55 rating
- User-friendly LCD display with four-button control
- 802.11 b/g/n WiFi 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 above 650 kbps

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-HDR 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 fixed antenna (up to 100m RF cable)
- 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 1¼ hour at >650 kbps on one charge
SAT Continuous RX:	Up to 4 hours at 256 kbps on one charge
SAT Standby:	Up to 36 hours
Weight:	1.9 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 +55° 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-55 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

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