
inmarsat
HUGHES 9203
BGAN PATRCI
SATELLITE TERMINAL
INMARSAT GLOBAL GOVERNMENT
COMMUNICATIONS MADE CERTAIN
SECURE • MOBILE • FLEXIBLE • GLOBAL • RELIABLE
INMARSAT
TRUSTED BY
GOVERNMENTS

THE WORLD'S FIRST BGAN ON THE MOVE TERMINAL FOR USE ON FOOT

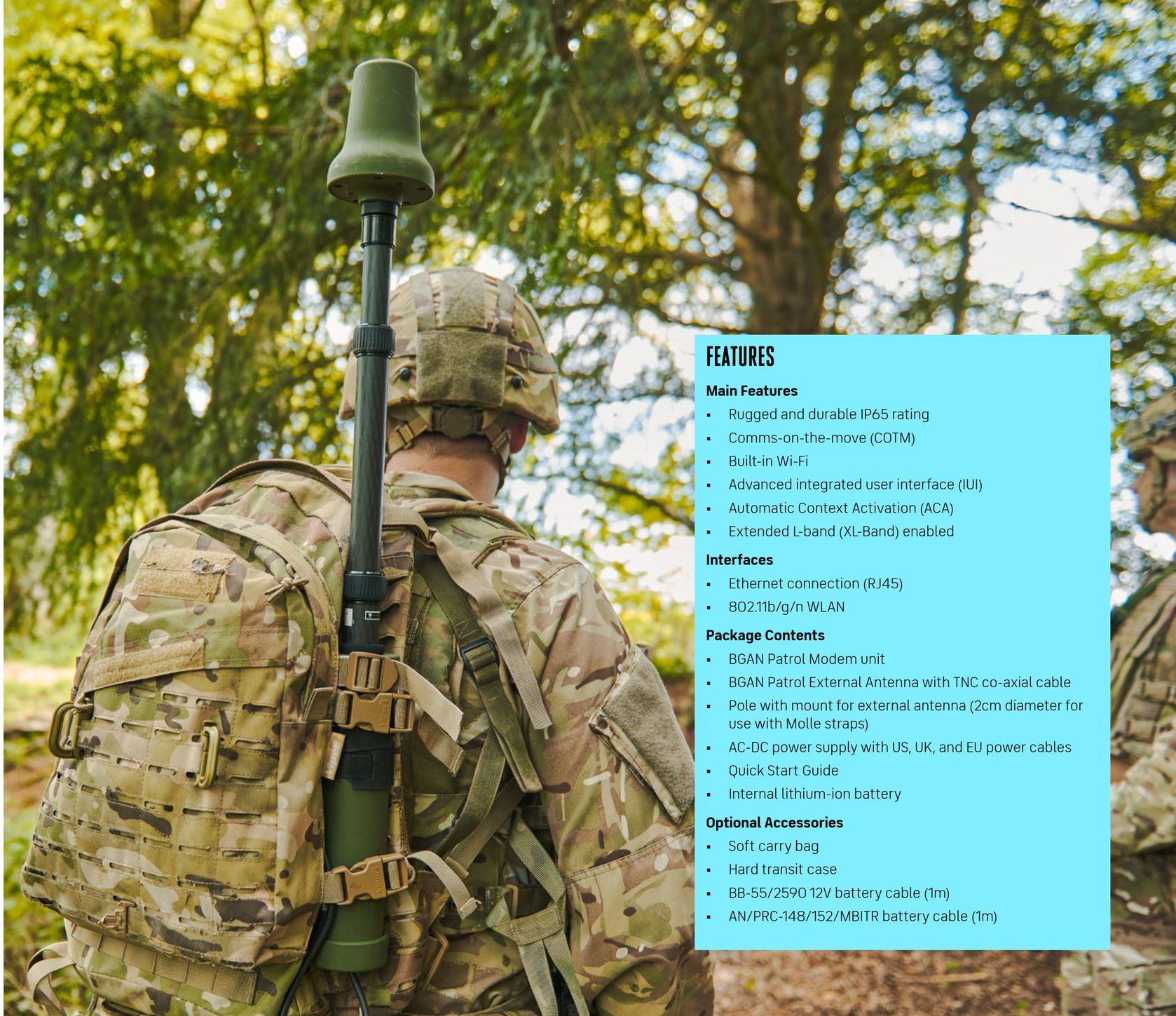
The compact, lightweight Hughes 9203 BGAN communications-on-the-move terminal enables dismounted soldiers to stay continuously connected to the situational awareness picture via the Battle Management System (BMS) for the first time.

The BGAN Patrol terminal connects to the satellite network without need for user pointing or intervention and integrates with existing communication systems and batteries. Users no longer need to pause and deploy a static COTP terminal to communicate – reducing vulnerability on the field.

BGAN Patrol provides beyond line of sight (BLOS) communications, extending line of sight (LOS) IP networks independently from any terrestrial networks. Users can connect at standard background IP of up to 100 kbps via ethernet or through the built-in multi-user Wi-Fi feature to support a group of local connections.

End user devices, such as Android Tactical devices, can be connected to the BGAN Patrol terminal to provide data to applications vital to gaining an operational advantage over adversaries in the field. Typical applications include:

- Enablement of Battle Management System (BMS), such as TAK and SitaWare
- Bridging of Mobile Ad-hoc Network (MANET) and Beyond Line of Sight (BLOS) radio networks
- Blue Force Tracking (BFT) of allied forces on live maps
- Laser range finder data to provide an exact distance to long range targets for snipers, artillery, and air support
- Situational Awareness gathering and reception to maximize co-ordination
- Calling for Casualty Medical Evacuation (MedEvac)



FEATURES

Main Features

- Rugged and durable IP65 rating
- Comms-on-the-move (COTM)
- Built-in Wi-Fi
- Advanced integrated user interface (IUI)
- Automatic Context Activation (ACA)
- Extended L-band (XL-Band) enabled

Interfaces

- Ethernet connection (RJ45)
- 802.11b/g/n WLAN

Package Contents

- BGAN Patrol Modem unit
- BGAN Patrol External Antenna with TNC co-axial cable
- Pole with mount for external antenna (2cm diameter for use with Molle straps)
- AC-DC power supply with US, UK, and EU power cables
- Quick Start Guide
- Internal lithium-ion battery

Optional Accessories

- Soft carry bag
- Hard transit case
- BB-55/2590 12V battery cable (1m)
- AN/PRC-148/152/MBITR battery cable (1m)

Picture illustrated based on prototype for concept of design and application only. Pole design updated as shown to the right

1m pole with flexible gooseneck top section to ensure antenna can be stowed quickly when required

Three-Pole Segment

9203 BGAN

* Product currently been designed and integrated by Hughes, specifications and performance are subject to the final design review, acceptance test, validation, and verification.

SPECIFICATION*

ANTENNA TYPE	Omni-directional. No pointing required
DIMENSIONS	
Antenna	153 mm x 100 mm Ø
3-Section Pole	1000 mm x 20 mm Ø Goose-neck top section to allow antenna to be stowed quickly for entry to vehicles, etc
Terminal Weight	1.4 kg
FREQUENCY	
Satellite TX Frequency	1626.5–1660.5 and 1668–1675 MHz
Satellite RX Frequency	1518–1559 MHz
GPS Frequency	1575.42 MHz
	GPS signal via external antenna
BATTERY LIFE (Rechargeable lithium-ion battery only, without external battery):	
Continuous TX Time	Up to 2 hours at 128 kbps
Continuous RX Time	Up to 4 hours at 128 kbps
Standby Time	Up to 36 hours
EXTERNAL POWER:	
AC-DC power cable with US, UK, and EU power cables	
Optional BB-55/2590 12V battery cable (1m)	
Optional AN/PRC-148(MBITR) battery cable (1m)	
Expected battery requirement for 3 days usage at typical 5% TX/5% RX duty cycle: - BB-2590 = 1 battery - BB-5590 = 2 batteries - AN/PRC-148(MBITR) = 4 batteries	
ENVIRONMENTAL CONDITIONS	
Operating Temperature	-5˚ C to +55˚ C with battery -25˚ C to +55˚ C excluding battery
Storage Temperature	-25˚ C to +55˚ C with battery -25˚ C to +80˚ C excluding battery
Water and Dust	IP-65 Compliant
Humidity	95% RH at +40° C
Mechanical Vibration	200–2000 Hz, 0.3 m^2/s^3; MIL-STD 810G
CERTIFICATIONS	CE, FCC, EU WEEE, RoHS 3
INTERFACES:	▪ 1x RJ45 ethernet connector ▪ 802.11b/g/n WLAN ▪ SIM/USIM Slot ▪ DC barrel connector ▪ WebUI (feature rich, consistent with Hughes BGAN product line) ▪ Compatible with the Hughes BGAN App for iOS and Android ▪ Internal User Interface (iUI) with LCD and buttons
ELEVATION RANGE	30° to 90°

HOW TO BUY

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