



Hughes 9203

BGAN Patrol

Civil Government





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

The compact, lightweight Hughes 9203 BGAN COTM terminal enables emergency service personnel to stay continuously connected to their command centre, maintaining a real-time situational awareness capability and the ability to send and receive operation updates.

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 200 kbps via ethernet or through the built-in multi-user Wi-Fi feature to support a group of local connections. BGAN PATROL terminal offers reliable connectivity above 30 degrees elevation towards the satellite. Regions below 30 degrees elevation will be supported on a best effort basis.

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

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 gaining operational advantage over the conditions on the ground.

Typical applications include:

- Bridging of Mobile Ad-hoc Network (MANET) and Beyond Line of Sight (BLOS) radio networks
- Situational Awareness gathering and reception to maximize co-ordination
- Calling for Casualty Medical Evacuation (MedEvac)
- Connectivity between emergency service agencies with personnel at ground zero

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 cable with US, UK, and EU power cables
- Quick Start Guide
- Internal lithium-ion battery

Optional Accessories

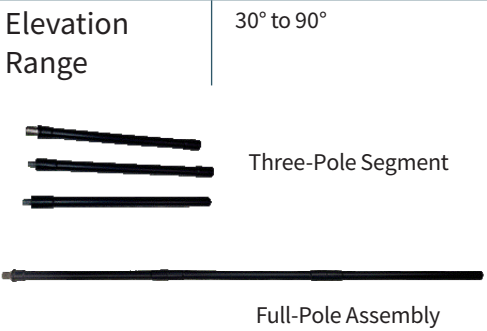
- Soft carry bag
- Hard transit case
- BB-55/2590 12V battery cable (1m)
- AN/PRC-148/152/MBITR battery cable (1m)



SPECIFICATIONS

Antenna Type	Omni-directional. No pointing required
Dimensions	
Antenna	153 mm x 100 mm Ø
3-Section Pole	1000 mm x 20 mm Ø Optional gooseneck section available
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)	
Expected battery requirement for 3 days usage at typical 5%Tx/5%Rx duty cycle.	
<ul style="list-style-type: none">BB-2590 = 1 batteryBA-5590 = 1 batteriesAN/PRC-148(MBITR) = 3 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 m2/s3; MIL-SPEC 810B
Certifications	CE, FCC, EU WEEE, RoHS 3
Interfaces:	<ul style="list-style-type: none">1x RJ45 ethernet connectorS802.11b/g/n WLANSIM/USIM SlotDC barrel connectorWebUI (feature rich, consistent with Hughes BGAN product line)Compatible with the Hughes BGAN App for iOS and AndroidInternal User Interface (iUI) with LCD and button





While the information in this document has been prepared in good faith, no representation, warranty, assurance or undertaking (express or implied) is or will be made, and no responsibility or liability (howsoever arising) is or will be accepted by Viasat, Inc. or any of its officers, employees or agents in relation to the adequacy, accuracy, completeness, reasonableness or fitness for purpose of the information in this document. All and any such responsibility and liability is expressly disclaimed and excluded to the maximum extent permitted by applicable law. Coverage as shown on maps is an approximation and subject to change at any time.

Copyright © 2024 Viasat, Inc. All rights reserved. Viasat, the Viasat logo and the Viasat Signal are registered trademarks in the U.S. and in other countries to Viasat, Inc. All other product or company names mentioned are used for identification purposes only and may be trademarks of their respective owners.

BGAN Patrol Civil Government July 2024