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HUGHES 9203

BGAN PATROL

SATELLITE TERMINAL

INMARSAT GLOBAL GOVERNMENT
COMMUNICATIONS MADE CERTAIN



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

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

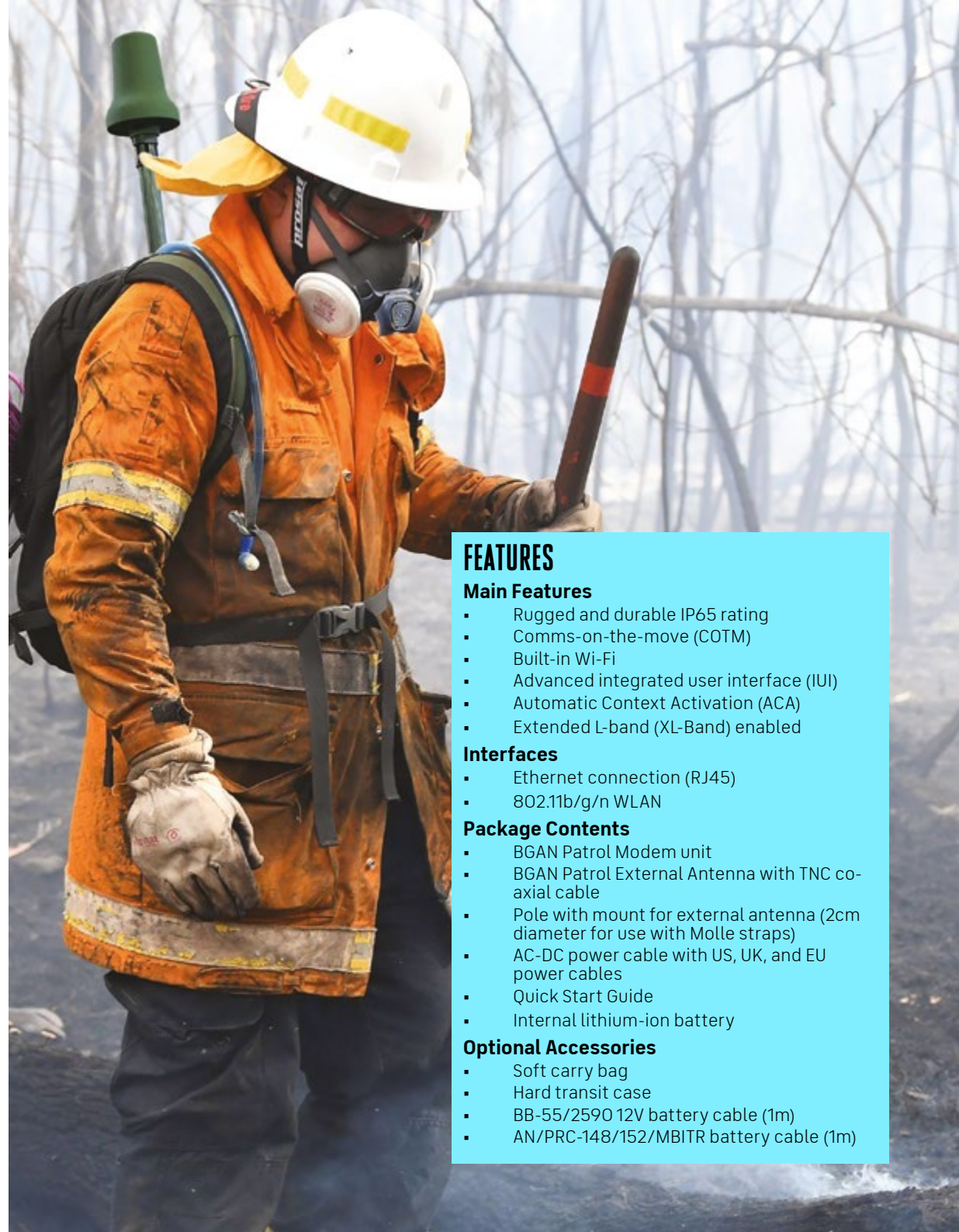
The BGAN Patrol terminal connects to the satellite network without need for user pointing or intervention and integrates with existing communication systems and batteries. Users no longer need to pause and deploy a static COTP terminal to communicate - reducing vulnerability on the field.

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 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.

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 coordination
- Calling for Casualty Medical Evacuation (MedEvac)
- Connectivity between emergency service agencies with personnel at ground zero



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 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)



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
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)

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:

- 1x RJ45 ethernet connector
- S802.11b/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°



Three-Pole Segment



Full-Pole Assembly



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BGAN Patrol Civ A4, August 2022