



2024 HUGHES BGAN TERMINAL & ACCESSORIES CATALOG

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PORTABLE TERMINAL KIT (9211, 9202M)

9211 Terminal Kit (Part Number: 3500841-0002)

The rugged and lightweight Hughes 9211 is a budget-friendly, high-data-rate terminal, ideal for media, governments, NGOs, mobile healthcare providers, and more. It includes built-in Ethernet, a replaceable battery pack, RJ11 for voice or fax, an external port to connect a tracking antenna, and a built-in 802.11 Wi-Fi access point.



9202M Terminal Kit (Part Number: 3500566-0004)

A broadband satellite IP terminal with built-in Ethernet, a replaceable battery pack, RJ11 for voice or fax, an external port to connect a tracking antenna, and a built-in 802.11 Wi-Fi access point.



Portable Terminal Kit (9211/9202M) contents:

Hughes Land Portable Terminal (9211 or 9202M)

Rechargeable Lithium-Ion Battery Pack

5 m Ethernet Cable

AC/DC Adapter

Three Power Cables:

- US Power Cord
- EU Power Cord
- UK Power Cord

PORTABLE TERMINAL ACCESSORIES (for 9211, 9202M)

DC/DC Adapter (Part Number: 3500099-0003)

DC/DC Car Converter

Input: 11-16 V, 15 A

Output: 19 V, 3.5 A, 66.5 W

Indoor use only



AC/DC Adapter (Part Number: 3500411-0008)

AC/DC Power Adapter

Input: 100-240 V, 50-60 Hz, 1.5 A

Output: 19 V, 3.43 A, 65 W

Indoor use only



Spare Battery (Part Number: 3501192-0001)

Rechargeable Lithium-Ion

7.2 V, 6.7 Ah, 48.2 Wh



US Power Cord (Part Number: 3500637-0001)

Power Cord for AC/DC Adapter

EU Power Cord (Part Number: 3500637-0002)

Power Cord for AC/DC Adapter

UK Power Cord (Part Number: 3500637-0003)

Power Cord for AC/DC Adapter

Australian Power Cord (Part Number: 3500637-0004)

Power Cord for AC/DC Adapter

Radio Frequency Pigtail (Part Number: 9505964-0001)

Required to connect the external (C10 or C11) tracking antenna to the portable terminal (18" or 45.7cm)



C10 Antenna Kit (Part Number: 3501057-0001)

External Antenna Kit for 9211 and 9202M Terminals



C11 Antenna Kit (Part Number: 3501058-0001)

External Antenna Kit for 9211 and 9202M Terminals

Antenna Kit (C10, C11) contents:
<i>Tracking Antenna (Class 10 or Class 11)</i>
<i>Magnetic Mount Set</i>
<i>10 m Radio Frequency Cable</i>
<i>Radio Frequency Pigtail</i>

C11 MOBILE 9450 KIT (9450TW, 9450E, 9450L)

Customers can connect at IP broadband speeds of up to 464 kbps while on the move using the world's smallest C11 mobile BGAN terminal, the Hughes 9450-C11. Three different versions of the 9450 are available depending on the customer's interface requirements.

Hughes 9450 Features by Model	L	TW	E
Use a BGAN or M2M SIM card	Y	Y	Y
Built-in 802.11 b/g/n Wi-Fi Access Point	N	Y	N
Two RJ11 ports for telephony and fax	N	Y	Y
Built-in Four Port Ethernet	Y	Y	Y
Four Port PoE	N	Y	Y
Attach a C10 or C11 antenna	Y	Y	Y
C10 background IP up to 492/492 kbps	Y	Y	Y
C10 streaming QoS up to 265 kbps	Y	Y	Y
C11 background IP up to 464/464 kbps	Y	Y	Y
C11 streaming QoS up to 128 kbps	Y	Y	Y

9450TW-C11 Terminal Kit (Part Number: 3500497-0021)

PoE Ethernet, Wi-Fi, RJ11, and Fax



9450E-C11 Terminal Kit (Part Number: 3500497-0008)

PoE Ethernet, RJ11, Fax, and ISDN



9450L-C11 Terminal Kit (Part Number: 3500497-0015)

Ethernet (No PoE)



C11 Mobile Terminal Kit (9450TW, 9450E, 9450L) contents:
Hughes 9450 Mobile Terminal (9450TW or 9450E or 9450L)
Power Cable
10 m Radio Frequency Cable
Class 11 Tracking Antenna



C10 MOBILE 9450 KIT (9450TW, 9450E, 9450L)

Customers can connect with IP broadband speeds of up to 492 kbps while on the move using the reliable 9450-C10. Three different versions of the 9450 are available depending on the customer's interface requirements.

9450TW-C10 Terminal Kit (Part Number: 3500497-0020)

PoE Ethernet, Wi-Fi, RJ11, and Fax



9450E-C10 Terminal Kit (Part Number: 3500497-0012)

PoE Ethernet, RJ11, Fax, and ISDN



9450L-C10 Terminal Kit (Part Number: 3500497-0014)

Ethernet (No PoE)



C10 Mobile Terminal Kit (9450TW, 9450E, 9450L) contents:

Hughes 9450 Mobile Terminal
(9450TW or 9450E or 9450L)

Power Cable

10 m Radio Frequency Cable

Set of 3 Magnetic Mounts

Class 10 Tracking Antenna



9450 Radio Frequency Cable (P/N: 3501053-0001)

Coaxial 10 m Radio Frequency Cable, TNC-TNC



9450 Power Cable (P/N: 3500472-0001)

Used with all the 9450 Modems for permanent installation in vehicle



9450 Power Cable, Cigarette Lighter (P/N: 3500472-0002)

Used with all the 9450 Modems for temporary installation in vehicle (cigarette lighter)



WLAN Antenna (P/N: 9506197-0001)

Used with the 9450TW Modem



C11 Spare Antenna (P/N: 1504875-0003)



C10 Spare Antenna (P/N: 1504876-0001)

The C10 Spare Antenna includes a set of 3 Magnetic Mounts



C11 Magnetic Mounts (P/N: 3501152-0002)

Used with the C11 Antenna

C10 Magnetic Mounts (P/N: 3501152-0001)

Used with the C10 Antenna



9410 MOBILE TERMINAL KIT

The 9410 is a fully Integrated Land Mobile C11 Satellite Terminal with Ethernet and WLAN interfaces. The terminal operates with a BGAN or BGAN M2M SIM and can be used for primary communications or as an LTE failover backup across a range of deployment scenarios, with or without human interaction. Two different options are available depending on the customer's interface requirements.

9410LW Terminal Kit (P/N: 3501431-0003)

Ethernet, Wi-Fi

9410L Terminal Kit (P/N: 3501431-0002)

Ethernet



9410 MOBILE TERMINAL ACCESSORIES

Power and Data Cable, Blunt Wire, 5 m (P/N: 3501314-0002)



Power and Data Cable, Blunt Wire, 10 m (P/N: 3501314-0003)

Power and Data Cable, Cigarette Lighter Plug, and RJ45 Socket, 5 m (P/N: 3501314-0004)



RJ45 Wiring Block (P/N: 9510250-0002)



Magnetic Mounts (P/N: 3501152-0002)



Mating Power and Data Connector, Bare (P/N: 9509554-0001)



Custom Power and Data Cable, 8.5 mm OD, 100 m (P/N: 9509897-0001)

The bulk cable and solder-ready barrel connector allow for custom cable installations

M2M TERMINAL KIT

(9502, 9502 with Integrated Antenna)

9502 Kit (P/N: 3500509-0001)

The Hughes 9502 IP satellite terminal provides reliable connectivity for IP SCADA and Machine-to-Machine (M2M) applications. The terminal consists of an Indoor Unit (IDU), an external antenna, and an RF cable.



9502 Kit, C1/D2-Compliant (P/N: 3500509-0004)

Note: This version of hardware is C1/D2 and ATEX compliant for hazardous locations

9502 M2M Terminal Kit contents:

Hughes 9502 Indoor Unit (Modem)

10 m Radio Frequency Cable

Class 2 External Antenna

9502 with Integrated Antenna (P/N: 3500753-0021)

Introduced as an alternative to the external antenna version of the 9502, this product integrates the 9502 Modem with a compact antenna to create a single-piece, integrated, rugged terminal that can withstand the most extreme weather conditions



9502 with Integrated Antenna, C1/D2-Compliant (P/N: 3500753-0022)

Note: This version is C1/D2 and ATEX compliant for hazardous locations

9502 with Integrated Antenna Assembly contents:

Hughes 9502 Chassis

IP-66 Housing with End Caps

Flat-Panel Antenna

Spare 9502 Antenna Assembly (P/N: 3500638-0002)

External Antenna for 9502 with 10 m Radio Frequency cable



Front



Back

External High Gain Antenna (P/N: 9501286-0001)

External High Gain Antenna with 10 m Radio Frequency cable

Basic Fixed Mount Kit (P/N: 3004066-0004)

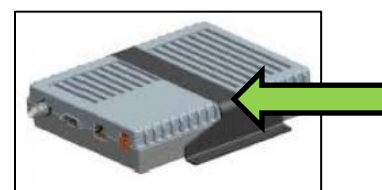
Used to mount the 9502 external antenna or 9502 with Integrated Antenna



Fixed Mount Kit contents:
<i>Fixed Mount Stand</i>
<i>Ground Cable</i>
<i>Bubble Level Indicator and holder</i>
<i>Azimuth Elevation Bracket</i>
<i>Hex Screw, quantity 4</i>
<i>Washer, quantity 4</i>

9502 IDU Strap (P/N: 3500617-0001)

Used for permanently mounting the Hughes 9502 IDU



Spare 9502 IDU (P/N: 3500563-0012)

Spare 9502 IDU C1/D2 and ATEX Compliant (P/N: 3500563-0009)



Azimuth Canister Bracket (P/N: 1022994-0022)

Used with the External Antenna and 9502 with Integrated Antenna:
 The Azimuth Canister Bracket is used to mount the External Antenna or 9502 with Integrated Antenna onto a 4 cm (1.6") diameter pole



Azimuth Canister Bracket (P/N: 1022994-0024)

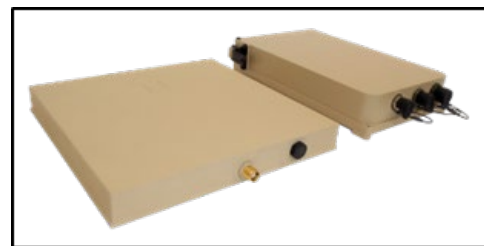
Used with the External Antenna or 9502 with Integrated Antenna:
 The Azimuth Canister Bracket is used to mount the External Antenna or 9502 with Integrated Antenna onto a 5 cm (2.0") diameter pole



LOW-PROFILE TERMINAL KITS (LPB)

Low-Profile BGAN (LPB) (P/N: 3500910-0001)

The Hughes Low-Profile BGAN (LPB) Terminal consists of a modem and antenna that are IP-67 rated for outdoor use and can be installed below ground-surface for inconspicuous operation



LPB Kit contents:

Hughes LPB Modem

LPB Antenna

3 m Radio Frequency Cable, Right Angle

3 m Radio Frequency Cable, Straight

Pointing Wedge

Power Cable

Ethernet Cable

LOW-PROFILE TERMINAL ACCESSORIES (LPB)

LPB 3 m Radio Frequency Cable, Right Angle TNC (P/N: 3500873-0003)

LPB 3 m Radio Frequency Cable, Straight TNC (P/N: 3500873-0002)

