






Inmarsat BGAN (Broadband Global* Area Network): Land-Mobile Portable Terminals



	wideye Sabre I	Explorer 300	NEW! Explorer 510 HotSpot & NEW - Hughes 9202	NEW! Hughes 9211-HDR	Explorer 710
					
Description	Voice & Data, Single-User	Highly-Compact, Robust, Single-User	Multi-User, Built-In Wi-Fi, Designed for Access Via: <u>Smartphone – EX 510</u> ; PC - Hughes 9202	High Date Rate , Built-In Wi-Fi, Multi-User, Extensive Functionality	High-Performance, Multi-User, on-demand <i>Inmarsat</i> streaming, hot swappable batteries, connect own voice devices
Manufacturer	Addvalue Communications	COBHAM Satcom	COBHAM Satcom, Hughes Network Systems	Hughes Network Systems	COBHAM Satcom
Size & Weight	10 x 7.7 x 2.3” 1.7 kg / 3.6 lbs	8.5 x 6.6 x 2” 1.4 kg / 3.1 lbs	<u>Explorer 510 – smallest BGAN:</u> 7.8 x 7.8 x 1.6”, 3.1 lbs <u>Hughes 9202 Slimline:</u> 8.5 x 8.5 x 1.8”, 3.3 lbs	9.1 x 11.5 x 2” 2 kg / 4.4 lbs Option – External Powered Portable Antenna & Vehicular Antenna	13.1 X 10.8 X 2.1” 3.2 kg / 7 lbs (incl. battery)
Standard IP (shared bandwidth)	Up to 240/384 kbps (send / receive)	Up to 240/384 kbps (send / receive)	Up to 464 kbps (send & receive)	Up to 492 kbps (send & receive)	Up to 492 kbps (send & receive)
Streaming IP (dedicated, selectable bandwidth)	32, 64 kbps	32, 64 kbps	32, 64, 128 kbps	32, 64, 128, 176, 256 kbps High Data Rate Streaming: 384kbps up to +650kbps with <i>Inmarsat BGAN X-Stream</i>	32, 64, 128 kbps (256 kbps & <i>Inmarsat BGAN X-Stream</i>) High Data Rate Streaming (1/2 Chnl): min. +600 kbps, 300 kbps Bonding-Capable – connect 2- EX 710s for streaming + 1Mbps
ISDN (64 kbps)	n/a	n/a	<u>Hughes Only:</u> RJ-45	Via RJ-45	Via RJ-45
Voice Interface	RJ-11, or Bluetooth handset / headset	RJ-11 or Bluetooth handset / headset	<u>EX 510:</u> Connect App – enables Voice via Smartphone <u>9202:</u> RJ-14 or RJ45 ISDN	RJ-14	RJ-11, or RJ45 ISDN
Audio Service	4 kbps	4 kbps	4 kbps, 3.1 kHz, (Hughes) fax	4 kbps, 3.1 kHz or fax	4 kbps, 3.1 kHz or fax
IP Data Interface - (all include “Auto Context Activation” Setting)	Ethernet, Bluetooth	Ethernet, Bluetooth	BOTH Built-In Wi-Fi, <u>EX510 Ethernet via USB to PC</u> , 9202 Ethernet Port	RJ45, USB, Built-in Wi-Fi	Ethernet, USB, Built-in Wi-Fi
Detachable Antenna	NO	NO	NO	NO	YES

NOTE: - Voice Handsets –included with vehicular terminals; contact *Mackay Satellite Services* for wired, wireless & Bluetooth options on portable BGAN units.

- Rental Packages - available for Cobham Explorer 500, 510 & 700 and Hughes 9201 BGAN Terminals.

- * BGAN Terminal Coverage - Land Mass Global, excluding extreme polar regions.

- All BGAN Terminals provide for simultaneous voice & data communications and can be solar powered






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[Contact us for more details on BGAN Terminals, Inmarsat Satellite Airtime & M2M Application Options](#) (i.e. Utility, Exploration, O&G, Asset Tracking):

Mackay Communications, Inc., • Satellite Services – Equipment & Airtime • 3691 Trust Drive, Raleigh, NC 27616 • 919-850-3100 or U.S. Toll-Free: 1-877- 4-MACKAY

www.mackaysatellite.com • EMAIL: satserv@mackaycomm.com [Government Buyers/Contractors](#) - Contact Mackay Govt. Division: government@mackaycomm.com or 904-880-4633)

Inmarsat BGAN (Broadband Global* Area Network): Land-Mobile Vehicular Terminals Systems

	Addvalue SAFARI	Explorer 325	Explorer 727	Hughes 9450-C11	Hughes 9450-C10 (previously 9350 C10)
					
Description	Vehicular, Tracking Antenna, Multi-User, with built-in WiFi	Vehicular, Tracking Antenna, Multi-User	Vehicular, Tracking Antenna, Multi-User	Vehicular, Tracking Antenna, Multi-User, with built-in WiFi	Vehicular, Tracking Antenna, Multi-User, with built-in WiFi
Manufacturer	Addvalue / wideye	COBHAM Satcom	COBHAM Satcom	Hughes Network Systems	Hughes Network Systems
Size & Weight	<u>Transceiver</u> 34 X 25 X 6.2 cm (3.5 kg / 7.7 lbs) <u>Compact Antenna:</u> 11.9 X Ø 25.2 cm (1.9kg / 4.2 lbs)	<u>Transceiver</u> 23 x 27.8 X 4.1 cm (2.2 kg / 4.9 lbs) <u>Antenna:</u> 12 X / Ø35 cm (3.6 kg / 7.9 lbs)	<u>Transceiver</u> 27 x 23 X 4.3 cm (2.5 kg / 5.5 lbs) <u>Antenna:</u> 15 X / Ø48 cm (6 kg / 13.2 lbs)	<u>Transceiver</u> 46 x 28.1 X 4.6 cm (2.3 kg / 5.1 lbs) <u>Compact Antenna:</u> 11.9 X / Ø25 cm (2.0 kg / 4.4 lbs)	<u>Transceiver</u> 26 x 25.6 X 5 cm (2.8 kg / 6.2 lbs) <u>Antenna:</u> 15.3 X / Ø47.7 cm (5.5 kg / 12.1 lbs)
Standard IP (shared bandwidth)	Up to 448 / 464 kbps (send / receive)	Up to 384 kbps (send & receive)	Up to 492 kbps (send & receive)	Up to 464 kbps (send & receive)	Up to 400+ kbps, depends on <i>look angle</i> (send & receive)
Streaming IP (dedicated, selectable & guaranteed bandwidth)	32, 64, 128 kbps	32, 64, 128 kbps	32, 64, 128, 256 kbps 384kbps min. on-the-pause w/ Inmarsat BGAN X-Stream	32, 64, 128 kbps	32, 64, 128, 256 kbps
ISDN (64 kbps)	n/a	n/a	Via RJ-45	Via RJ-45	Via RJ-45
Voice Interface	RJ-11 (x2) phone/fax	RJ-11 phone/fax	RJ-11 (x2) phone/fax or RJ-45 ISDN	RJ-11 (x2) phone / fax or RJ-45 ISDN	RJ-11 (x2) phone / fax or RJ-45 ISDN
Audio Service	4 kbps, 3.1 kHz or fax (opt)	4 kbps, 3.1 kHz or fax	4 kbps, 3.1 kHz or fax	4 kbps, 3.1 kHz or fax	4 kbps, 3.1 kHz or fax
IP Data Interface / GPS Output	Built-in Wi-Fi , Ethernet (x2) via RJ-45, PoE capable. GPS Output via RS-232	Ethernet (x2), PoE capable	Ethernet (x4), PoE capable	Built-in Wi-Fi , Ethernet (x4), PoE capable	Built-in Wi-Fi , Ethernet (x4), PoE capable
Detachable Antenna & Magnetic Roof Mountable	Yes to BOTH	Yes to BOTH	Yes to BOTH	Yes to BOTH	Yes to BOTH

- NOTE:**
- Voice Handsets –included with vehicular terminals; contact *Mackay Satellite* for wired, wireless & Bluetooth options on portable BGAN terminals.
 - * BGAN Terminal Coverage - Land Mass Global, excluding extreme polar regions.
 - All BGAN Terminals provide simultaneous voice and data communications
 - Vehicular BGAN Rental Packages - Cobham Explorer 325, 2-Week minimum

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