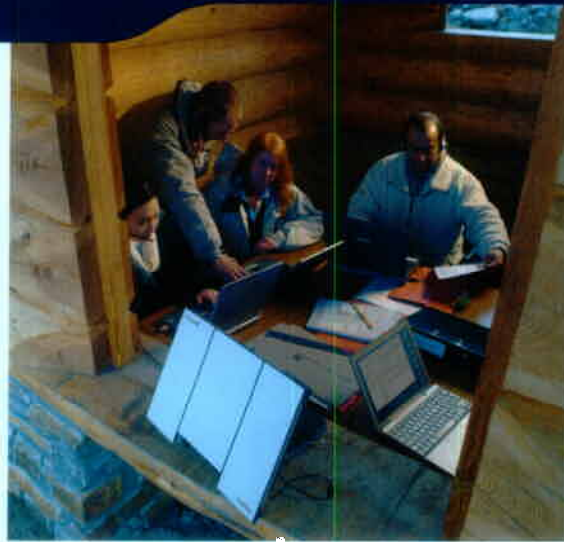Inmarsat's Broadband Global Area Network service – BGAN – is accessible via a small, lightweight, satellite terminal, which is easy to carry, quick to set up and simple to use. And you can use the same device worldwide.

A range of terminals is available, providing performance options to suit different operational needs. The service is accessed via BGAN LaunchPad, a software interface, which is standard across all terminals.

EXPLORER™ 700

Multi-user device with extensive functionality

The Thrane & Thrane EXPLORER™ 700 combines optimal performance with extensive functionality in an extremely flexible and robust design. It provides access to the highest bandwidth available on the BGAN network with multiple voice and data interfaces, including WLAN connectivity.

The terminal has a detachable, highly durable antenna, enabling indoor or outdoor use. It is ideal for live video applications or for teams to share in a temporary office environment, whatever the climatic conditions.

Applications

- **Remote access** – high-speed access to your corporate network, enabling access to company and customer information.
- **Internet access** – access the Internet at speeds up to 492kbps.
- **Email** – send and receive email via the Internet or email applications.
- **Telephony** – make phone calls via a peripheral handset at the same time as accessing data applications.
- **Streaming** – select guaranteed quality of service up to 256kbps on demand, e.g. for video, audio.
- **File transfer** – send and receive large files.
- **Store and forward** – save and send files e.g. video.

Key benefits

Simultaneous voice and broadband data – access your data applications and make a phone call at the same time via a Bluetooth handset or standard desktop phone. It supports streaming IP at speeds up to 256kbps on demand and ISDN at 64kbps.

Highly flexible – designed as two separate units so the antenna can be placed outside, while you work indoors. Multi-user support enables an entire team to share a single unit, enabling an instant broadband LAN. Supports both circuit-switched and IP packet data via USB, two Ethernet ports, Bluetooth, two ISDN ports and WLAN interfaces.

Extremely robust – the detachable antenna is purposely designed to operate in extremely challenging environmental conditions.

Very portable – allows you to move from site to site quickly and be connected again within minutes.

Global coverage – provides service anywhere within the BGAN coverage area.

Easy to use – The BGAN service can be accessed and managed via BGAN LaunchPad on your laptop or the terminal's built-in web interface or from the built-in display and keypad.

Completely secure – connect seamlessly via your preferred VPN application.

Thrane & Thrane

bgan | inmarsat

Physical characteristics

Weight	3.2kg (7.0lbs)
Dimensions	Length: 297mm (11.7")
	Width: 399mm (15.7")
	Depth: 51mm (2.0")
Interfaces	Antenna
	USB
	2 x Ethernet
	Bluetooth, class 1
	- Supported profiles
	-Serial port
	-Dial-up networking
	-LAN access
	-Cordless telephony
	WLAN access point
	- 802.11a/b/g
	- Encryption (WEP/WPA/WPA2)
	- DHCP
	2 x ISDN 64kbps
	- 3.1kHz audio
	- RDI & UDI
	2 x RJ11
	2 x Digital I/O
	12V Solar panel
User access	Via activated 3G compatible SIM card
User interfaces	
PC	BGAN LaunchPad
	T&T web interface
On terminal	Terminal control buttons and LCD

Power

Power supply	AC/DC, AC via external adaptor
External power	100-240 Volts AC (47-63Hz)
Battery life	Transmit: 1.5 hours at 492kbps
	Stand-by time: 36 hours
Battery type	Lithium-ion Rechargeable
Input voltage	10-32 Volts DC

Tolerances

Ambient operating temperature	
Powered from external DC	-25°C to +55°C
	(-13°F to +131°F)
Powered by battery only	0°C to +55°C
	(+32°F to +131°F)
Charging temp	0°C to +45°C
	(+32°F to +113°F)
Operating humidity	Relative humidity:
	95% non-condensing
	at +40°C (+104°F)
Water and dust	IP 52 – transceiver
(Ingress protection)	IP 66 – antenna

Radio specifications

Maximum radiated power (EIRP)	+20dBW ±1dB

Supported operating systems

Operating system	Windows: 2000, XP
	MAC: OS 10.1 or later
	Linux: Redhat 9

Data capabilities

IP data	
Standard IP	Background class of service
	Send: up to 492kbps over
	a shared channel
	Receive: up to 492kbps over
	a shared channel
Streaming IP	Guaranteed quality of service
	Send: 32, 64, 128, 256kbps
	Receive: 32, 64, 128, 256kbps
	Multiple IP streaming
	sessions simultaneously
ISDN data	UDI/RDI (64kbps)
SMS	160 characters

Voice capabilities

Voice	4kbps
	3.1kHz audio
Supplementary services	Voicemail
	Call forwarding
	Call barring
	Call waiting
	Call holding

Accessories

Cabling	Ethernet (2m), USB (1.8m)	S
Voice handset	EXPLORER™ Bluetooth	O
	handset, 2m charger cable	
	+ desk top charger cradle	
AC/DC power adaptor	100/240 Volts (AC)	S
AC power plug	2 pin European type	S
Car charger	Cable with cigarette	O
	lighter plug	
Solar panel	Off the shelf (please check	O
	with manufacturer)	
Pole mount kit	For external antenna	O
Spare battery	Standard Li-ion battery	O
Bag	Canvas bag	O
Antenna cable	41.5 cm, 10 m	S
Other	Antenna cable: 10m (3mm)	O
	30m (5mm), 60m (10mm)	
	– flexible, 100m (10mm) to	
	connect the transceiver and	
	antenna in 'split' configuration	

S Standard O Optional

How to buy

The EXPLORER™ 700 is available from more than 100 Thrane & Thrane partners worldwide, covering Europe, Africa, the Middle East, Asia, North and South America. Visit www.thrane.com to select the best supplier for you.

About Thrane & Thrane

Thrane & Thrane is the world's leading manufacturer of terminals and land earth stations for global mobile satellite and radio communications. Since its incorporation in 1981, the company has established a strong position within global mobile satellite services based on the Inmarsat system, and today it provides equipment for land-based, maritime and aeronautical use. The company is listed on the Copenhagen Stock Exchange. www.thrane.com

For more details on this product, please contact Thrane & Thrane.

www.inmarsat.com

Inmarsat's Broadband Global Area Network service – BGAN – is accessible via a small, lightweight, satellite terminal, which is easy to carry, quick to set up and simple to use. And you can use the same device worldwide.

A range of terminals is available, providing performance options to suit different operational needs. The service is accessed via BGAN LaunchPad, a software interface, which is standard across all terminals.

HNS 9201

High performance, multi-user device

The HNS 9201 combines ultimate performance with an extremely rugged design. It provides access to the highest bandwidth available on the BGAN network and supports WLAN connectivity.

It is ideal for either single users using bandwidth-hungry applications, such as live video, or for small teams which need to set up a temporary office with high-speed connectivity to standard data applications.

Applications

- **Remote access** – high-speed access to your corporate network, enabling access to company and customer information.
- **Internet access** – access the Internet at speeds up to 492kbps.
- **Email** – send and receive email via the Internet or email applications.
- **Telephony** – make phone calls via a peripheral handset at the same time as accessing data applications.
- **Streaming** – select guaranteed quality of service up to 256kbps on demand, e.g. for video, audio.
- **File transfer** – send and receive large files.
- **Store and forward** – save and send files e.g. video.

Key benefits

Simultaneous voice and broadband data – access your data applications and make a phone call at the same time. For applications where quality of service is paramount, you can select streaming IP services up to 256kbps on demand. Also supports ISDN at 64kbps.

Global coverage – provides service anywhere within the BGAN coverage area.

Extremely robust – can be installed outside in extreme weather conditions for extended periods of time.

Highly flexible – easy to use in both portable and semi-fixed contexts. Multi-user support allows an entire team to share a single unit, enabling an instant broadband local area network. Supports both circuit-switched and IP packet data via USB, Ethernet, ISDN and WLAN interfaces.

Easy to use – simply plug in a phone or laptop, point to the satellite and connect.

Very portable – allows you to move it from site to site quickly and easily and be connected again within minutes.

Completely secure – connect seamlessly via your preferred VPN application.

HUGHES

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Physical characteristics

Weight	2.8kgs (6.2lbs)
Dimensions	Length: 345mm (13.6")
	Width: 275mm (10.8")
	Depth: 50mm (2.0")
Interfaces	USB
	Ethernet
	WLAN access point (up to 100m)
	- 802.11b
	- Encryption (WEP)
	- DHCP
	ISDN 64kbps
	- 3.1kHz audio
	- RDI & UDI
User access	Activated via 3G compatible SIM card
User interfaces	
PC	BGAN LaunchPad
On Terminal	Terminal control buttons and LEDs

Power

Power supply	AC or DC
External power	20 Volts DC, 110 – 240 Volts AC
Battery life	Transmit: 162Mb via Ethernet
	Receive: 864Mb via Ethernet
	Stand-by time: 36 hours
Battery type	Lithium-ion. Rechargeable
Input voltage	11.1 Volts DC

Tolerances

Ambient operating temperature	
Powered from external DC	-25°C to +60°C
	(+13°F to +140°F)
Powered by battery only	-5°C to +55°C
	(+23°F to +131°F)
Charging temp	0°C to +40°C
	(+32°F to +104°F)
Operating humidity	Relative Humidity:
	95% non-condensing
	at +40°C (+104°F)
Water and dust (Ingress protection)	IP 55

Radio specifications

Maximum radiated +20dBW
power (EIRP)

Supported operating systems

Operating system	Windows: 2000, XP
	MAC: OS 10.1 or later
	Linux: Redhat 9 (no USB support)

Data capabilities

IP data

Standard IP	Background class of service
	Send: Up to 492kbps over
	a shared channel
	Receive: Up to 492kbps
	over a shared channel
Streaming IP	Send: 32, 64, 128, 256kbps
	Receive: 32, 64, 128, 256kbps
	Multiple IP streaming
	sessions simultaneously
ISDN data	UDI/RDI (64kbps)
SMS	160 characters

Voice capabilities

Voice	4kbps
	3.1kHz audio
Supplementary services	Voicemail
	Call forwarding
	Call barring
	Call waiting
	Call holding

Accessories

Cabling	USB, Ethernet, ISDN (all 3m)	˙
Compatible voice handsets	- ASCOM Eurit 33 + deskphone	◌
	- SwissVoice Eurit 25 + 35 deskphone	
	- Siemens Gigaset SX255 cordless DECT ISDN phone	
	- Nera F77	
	- Nera WorldSet	
AC/DC power supply	110/240 Volts	˙
Power plug	2 pin US type plus adaptor kit for most other countries	˙
Car charger	SMP, 10-32 VDC input, 20VDC output, 55W	◌
Solar charger	- IDG Europe T-60	◌
	- Powerline Suncatcher F0002	
Fix mount kit	Fixed installation kit includes:	◌
	- terminal pole mounting kit	
	- 30m DC extension cable to be used with standard AC/DC adaptor	
	- Two 30m Ethernet/ISDN cables	
	- lightning protection strap	
Spare battery	Extended battery with 50% increased capacity	◌

˙ Standard ◌ Optional

How to buy

The HNS 9201 is available from distribution partners worldwide, covering Europe, Africa, the Middle East, Asia, North and South America. Visit www.hns.com to select the distribution partner nearest to you.

About HNS

Hughes Network Systems, LLC (HNS), is the world's leading provider of broadband satellite network solutions for businesses and consumers, with more than one million systems ordered or shipped to customers worldwide. Headquartered outside Washington, D.C. in Germantown, Maryland, USA, HNS maintains sales and support offices worldwide and employs approximately 1,500 people in engineering, operations, marketing, sales and support. It operates manufacturing facilities in Gaithersburg, Maryland. HNS is certified to the ISO-9001 standard. www.hns.com

For more details on this product, please contact Hughes Network Systems

Inmarsat's Broadband Global Area Network service – BGAN – is accessible via a small, lightweight, satellite terminal, which is easy to carry, quick to set up and simple to use. And you can use the same device worldwide.

A range of terminals is available, providing performance options to suit different operational needs. The service is accessed via BGAN LaunchPad, a software interface, which is standard across all terminals.

Nera WorldPro 1000
The smallest, lightest device in the range

The Nera WorldPro 1000 combines an exceptionally compact design with performance and optimal flexibility. The terminal can be separated into two parts, so users can choose between indoor and outdoor use, with no need for an external antenna.

Combined with the Nera WorldSet for voice telephony, it is ideal for single users, who need to set up a complete broadband mobile office in frequently changing locations.

Applications

- **Remote access** – high-speed access to your corporate network, enabling access to company and customer information.
- **Internet access** – access the Internet at speeds up to 384kbps.
- **Email** – send and receive email via the Internet or email applications.
- **Telephony** – make phone calls via a peripheral handset at the same time as accessing data applications.
- **Streaming** – select guaranteed quality of service up to 64kbps on demand, e.g. for video, audio.
- **File transfer** – send and receive large files.
- **Store and forward** – save and send files e.g. video.

Key benefits

Ultimate portability – at around half the size of a laptop and weighing less than 1 kilo, it is the smallest and lightest terminal in the range.

Simultaneous voice and broadband data – access your data applications and make a phone call at the same time, via the Nera WorldSet. The terminal can also be configured directly from the handset.

Highly flexible – designed to split into two separate units, so the antenna can be placed outside, while you work indoors in comfort – with no requirement for an additional external antenna. The terminal can be connected to a laptop via the USB port or Bluetooth, and via Ethernet from Q2 2006.

Global coverage – provides service anywhere within the BGAN coverage area.

Easy to use – with the one-patch antenna design, it takes less than a minute to locate a satellite communications signal. The service can be accessed via BGAN LaunchPad on your laptop, or an on-box user interface with self-explanatory indicators.

Robust – purposely designed to operate in challenging environmental conditions.

Completely secure – connect seamlessly via your preferred VPN application.

NERA

bgan inmarsat

Physical characteristics

Weight	< 1.0kg (2.2lbs)
Dimensions	Length: 200mm (7.9")
	Width: 140mm (5.5")
	Depth: 40mm (1.6")
Interfaces	USB
	Bluetooth (up to 20m)
	- Supported profiles:
	- Service discovery application
	- Serial port
	- Dial-up networking
	- Headset profile from Q2 2006
	- Cordless telephony
	Ethernet from Q2 2006
	RJ45 (for Nera WorldSet)
User access	Via activated 3G compatible SIM card
User interfaces	
PC	BGAN LaunchPad
On terminal	Terminal control buttons and LCD
	WorldSet display and handset

Power

Power supply	AC or DC
External power	12 Volts DC, 110 - 240 Volts AC
Battery life	
Typical use	Transmit time: 5 hours
	Stand-by time: 36 hours
Battery type	Lithium-ion. Rechargeable
Input voltage	10.8-15.6 Volts DC

Tolerances

Ambient operating temperature	
Powered from external DC	-20°C to +55°C
	(+4°F to +131°F)
Powered by battery only	-20°C to +55°C
	(+4°F to +131°F)
Charging temp	0 C to +55 C
	(+32 F to +131 F)
Operating humidity	Relative humidity:
	95% non-condensing
	at +40°C (+104°F)
Water and dust	IP 44
(Ingress protection)	

Radio specifications

Maximum radiated power (EIRP)	+10dBW

Supported operating systems

Operating system	Windows: 98SE, 2000, XP
	MAC: OS 10.1 or later
	Linux: Redhat 9

Data capabilities

IP data	
Standard IP	Background class of service
	Send: Up to 240kbps over
	a shared channel
	Receive: Up to 384kbps
	over a shared channel
Streaming IP	Guaranteed quality of service
	Send: 32, 64kbps
	Receive: 32, 64kbps
ISDN data	N/A
SMS	160 characters

Voice capabilities

Voice	4kbps
Supplementary services	Voicemail
	Call forwarding
	Call barring
	Call waiting
	Call holding

Accessories

Cabling	USB (1.8m)	S
Voice handset	Wired: Nera WorldSet	O
	(with 2m cable)/	
	other ISDN phones	
	Wireless: Bluetooth handset	
AC/DC power supply	110/240 Volts	S
Power plug	2 pin European type	S
Car charger	Off the shelf (please check	O
	with manufacturer)	
Solar charger	Off the shelf (please check	O
	with manufacturer)	
Pole mount kit	Fixing brackets: window	O
	mounting kit based on tripod	
	camera mounting thread	
Spare battery	Standard Nera battery	O
	(5 hours use, 36 hours	
	stand-by)	
Bag	Soft bag	O
Other	Antenna cable to connect	O
	the indoor and outdoor	
	units in 'split' configuration	
	DC/DC adaptor –	O
	input 10-31Volts DC	
	Colour variations	O

S Standard O Optional

How to buy

The Nera WorldPro 1000 is available through a global distribution network, covering Europe, Africa, the Middle East, Asia, North and South America. Visit www.nera.no to find contact details for all the Nera distributors worldwide.

About Nera SatCom

Nera SatCom is one of the world's leading companies in the field of satellite technology. The company is part of the Nera group with offices in 26 countries and more than 1,000 employees around the world.
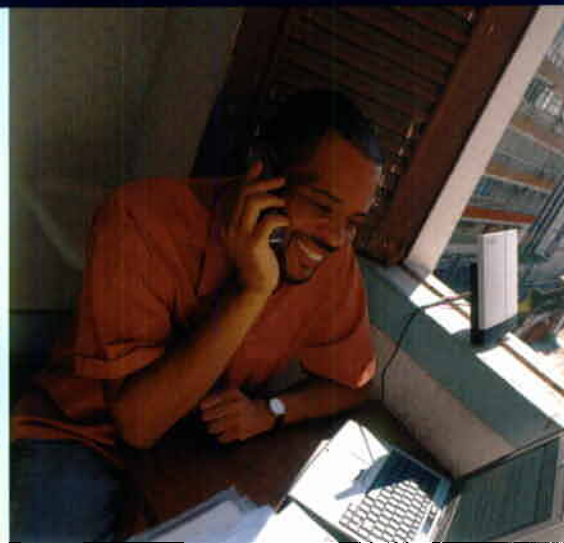

For more details on this product, please contact Nera SatCom

Inmarsat's Broadband Global Area Network service – BGAN – is accessible via a small, lightweight, satellite terminal, which is easy to carry, quick to set up and simple to use. And you can use the same device worldwide.

A range of terminals is available, providing performance options to suit different operational needs. The service is accessed via BGAN LaunchPad, a software interface, which is standard across all terminals.

EXPLORER™ 500
High bandwidth, highly portable device

The Thrane & Thrane EXPLORER™ 500 combines exceptional performance with portability. It meets the needs of the most demanding business traveller for remote, high-speed access to corporate networks. It is also suitable for small teams who need to set up a temporary office.

Applications

- **Remote access** – high-speed access to your corporate network, enabling access to company and customer information.
- **Internet access** – access the Internet at speeds up to 464kbps.
- **Email** – send and receive email via the Internet or email applications.
- **Telephony** – make phone calls via a peripheral handset at the same time as accessing data applications.
- **Streaming** – select guaranteed quality of service up to 128kbps on demand, e.g. for video, audio.
- **File transfer** – send and receive large files.
- **Store and forward** – save and send files e.g. video.

Key benefits

Simultaneous voice and broadband data – access your data applications and make a phone call at the same time – via a Bluetooth handset or a standard desktop phone. Also supports streaming IP at speeds up to 128kbps for applications requiring guaranteed quality of service.

Highly portable – smaller than a laptop, the EXPLORER™ 500 represents the ultimate combination of portability and performance.

Global coverage – provides service anywhere within the BGAN coverage area.

Easy to use – simply plug in a phone or laptop, or connect using the Bluetooth interface, point the antenna towards the Inmarsat satellite and you are online.

Highly flexible – caters both to individual users and small teams on the move. Supports circuit-switched and IP packet data via standard LAN, USB, Bluetooth and phone/fax interfaces.

Very robust – splash and dust-resistant.

Completely secure – connect seamlessly via your preferred VPN application.

Thrane & Thrane

bgan | inmarsat

Physical characteristics

Weight	<1.5kgs (<3.3lbs)
Dimensions	Length: 217mm (8.5")
	Width: 217mm (8.5")
	Depth: 52mm (2.0")
Interfaces	USB
	Ethernet
	Bluetooth (up to 100m)
	- Supported profiles
	- Service discovery application
	- Serial port
	- Dial-up networking
	- LAN access
	- Cordless telephony
	RJ11
User access	Via activated 3G compatible SIM card
User interfaces	
PC	BGAN LaunchPad
	Built-in web-server
On terminal	Terminal control buttons and LCD

Power

Power supply	AC/DC
External power	15 Volts DC, 100-240 Volts AC
	(47-63Hz)
Battery life	Transmit: 1.5 hours at 144kbps
	Stand-by time: 36 hours
Battery type	Lithium-ion. Rechargeable
Input voltage	10-16 Volts DC

Tolerances

Ambient operating temperature

Powered from external DC	-25°C to +55°C
	(-13°F to +131°F)
Powered by battery only	0°C to +55°C
	(+32°F to +131°F)
Charging temp	0 C to +45 C
	(+32 F to +113 F)
Operating humidity	Relative humidity:
	95% non-condensing
	at +40°C (+104°F)
Water and dust	IP 54
(Ingress protection)	

Radio specifications

Maximum radiated power (EIRP)	+15.1dBW ±1dB

Supported operating systems

Operating system	Windows: 2000, XP
	MAC: OS 10.1 or later
	Linux: Redhat 9

Data capabilities

IP data

Standard IP	Background class of service
	Send: up to 448kbps over
	a shared channel
	Receive: up to 464kbps over
	a shared channel
Streaming IP	Guaranteed quality of service
	Send: 32, 64, 128kbps
	Receive: 32, 64, 128kbps
	Multiple IP streaming
	sessions simultaneously
ISDN data	UDI (64kbps) - via USB
SMS	160 characters

Voice capabilities

Voice	4kbps
	3.1kHz audio
Supplementary services	Voicemail
	Call forwarding
	Call barring
	Call waiting
	Call holding

Accessories

Cabling	Ethernet (2m), USB (2m)	S
Voice handset	EXPLORER™ Bluetooth	O
	handset, 2m charger cable	
	+ desk top charger cradle	
AC/DC power supply	100/240 Volts	S
Power plug	2 pin European type	S
Car charger	Cable with cigarette	O
	lighter plug	
Solar charger	Off the shelf (please check	O
	with manufacturer)	
External antenna	Active (with 10m cable)	O
Pole mount kit	For external antenna	O
Spare battery	Standard Li-ion battery	
Bag	Canvas bag	O

Standard   O Optional

How to buy

The EXPLORER™ 500 is available from more than 100 Thrane & Thrane partners worldwide, covering Europe, Africa, the Middle East, Asia, North and South America. Visit www.thrane.com to select the best supplier for you.

About Thrane & Thrane

Thrane & Thrane is the world's leading manufacturer of terminals and land earth stations for global mobile satellite and radio communications. Since its incorporation in 1981, the company has established a strong position within global mobile satellite services based on the Inmarsat system, and today it provides equipment for land-based, maritime and aeronautical use. The company is listed on the Copenhagen Stock Exchange. www.thrane.com
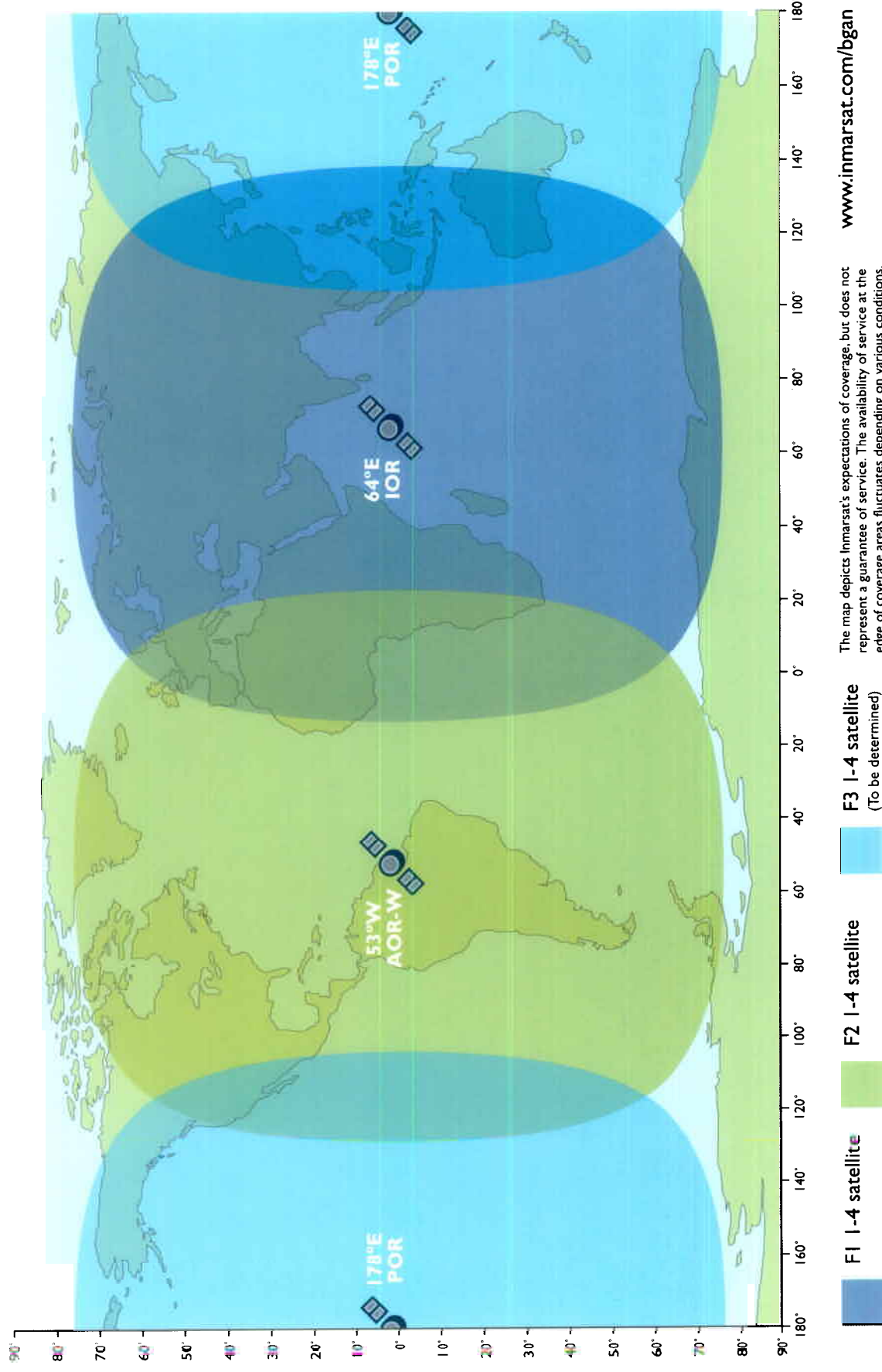
For more details on this product, please contact Thrane & Thrane

Inmarsat BGAN coverage

178°E
POR

64°E
IOR

53°W
AOR-W

178°E
POR

F1 I-4 satellite

F2 I-4 satellite

F3 I-4 satellite
(To be determined)

The map depicts Inmarsat's expectations of coverage, but does not represent a guarantee of service. The availability of service at the edge of coverage areas fluctuates depending on various conditions. The launch of the F-3 satellite will be determined in due course.

www.inmarsat.com/bgan

bgan inmarsat

BGAN terminals: a quick reference guide

	R-BGAN	Wideye™ Sabre™ I	WorldPro1000/1010	Explorer™ 300	Explorer™ 500	HNS 9201	Explorer™ 700
	IP-based, entry-level device	Voice and data, entry-level device	Smallest, lightest device in the range	Highly compact, robust device	High bandwidth, highly portable device	High performance, multi-user device	Multi-user device with extensive functionality
Manufacturer:	Hughes Network Systems www.hns.com	Addvalue Communications www.wideye.com.sg	Nera SatCom www.satcom.neraworld.com	Thrane & Thrane www.thrane.com	Thrane & Thrane www.thrane.com	Hughes Network Systems www.hns.com	Thrane & Thrane www.thrane.com
Size:	300 x 240mm (1.6kgs)	384 x 180mm (1.2kgs)	200 x 140mm (<1kg)	217 x 168mm (1.4kgs)	217 x 217mm (<1.5kgs)	345 x 275mm (2.8kgs)	290 x 399mm (3.2kgs)
Standard IP:	Up to 144kbps (send & receive)	Up to 384 / 240kbps (receive/send)	Up to 384 / 240kbps (receive/send)	Up to 384 / 240kbps (receive/send)	Up to 464 / 448kbps (receive/send)	Up to 492kbps (send & receive)	Up to 492kbps (send & receive)
Streaming IP:	N/A	32, 64kbps (send & receive)	32, 64kbps (send & receive)	32, 64kbps (send & receive)	32, 64, 128kbps (send & receive)	32, 64, 128, 256kbps (send & receive)	32, 64, 128, 256kbps (send & receive)
ISDN:	N/A	N/A	N/A	N/A	1 x 64kbps via USB only	1 x 64kbps	2 x 64kbps
Voice:	Via VoIP	Via RJ11 or Bluetooth handset / headset	Via Nera WorldSet, ISDN phones, Bluetooth handset	Via RJ11 or Bluetooth	Via RJ11 or Bluetooth handset; 3.1 kHz audio	Via ISDN handset	Via RJ11 (x2), Bluetooth handset; 3.1kHz audio
Data interfaces:	USB, Bluetooth, Ethernet	USB, Bluetooth, Ethernet	USB (with adapter for 1010), Bluetooth, Ethernet – static IP addressing (dynamic IP addressing from Q3 2006)	Ethernet, Bluetooth	USB, Bluetooth, Ethernet	USB, Ethernet, WLAN 802.11b	USB, Ethernet (x2), Bluetooth, WLAN 802.11g, Digital I/O
Ingress protection:	IP 54	IP 44	IP 44	IP 54	IP 54	IP 55	IP 52 (transceiver) IP 66 (antenna)

www.inmarsat.com/bgan

bgan inmarsat

bgan