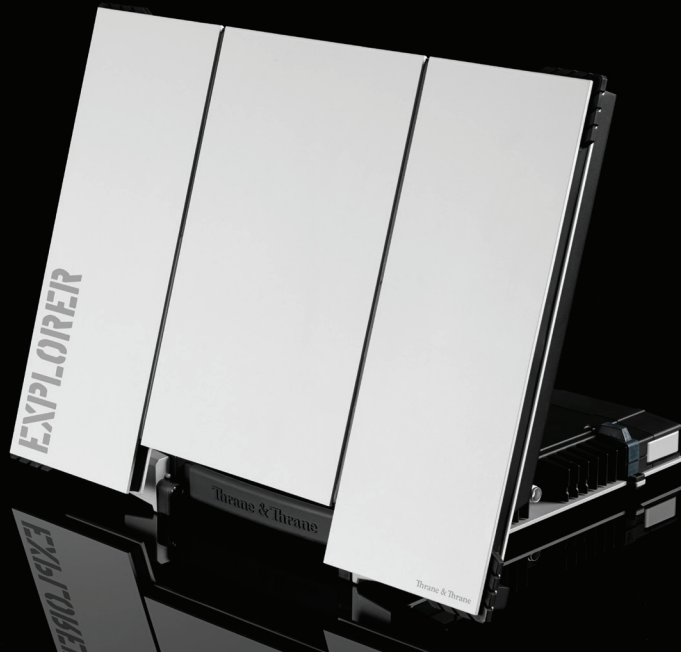


EXPLORER™ 700

WHEN VERSATILITY AND HIGH-SPEED MATTERS



EXPLORER 700 provides access to the highest bandwidth available via BGAN, thereby facilitating a platform for a wide range of applications with need of high performance.

Disregarding the environmental conditions, it is designed to last and with the detachable antenna, it is ideally suited for temporary camps or semi-fixed installations.

- **Versatility:** The flagship in the EXPLORER series provides multiple interfaces to support a wide range of applications. Ideal for video streaming applications and large file transfer and can be used by smaller workgroups sharing a temporary or semi permanent office environment
- **High-speed:** The fastest BGAN terminal on the market with download and upload at 492 kbps. Moreover, it supports Inmarsat's BGAN X-Stream, on-demand streaming at +384 kbps for applications demanding outstanding performance
- **Rough environments:** Designed to withstand severe environmental conditions such as humidity, dust, extreme weather and changing temperatures

Specifications

Dimensions

Total H / W / D:	297 / 399 / 51 mm 11.7 / 15.7 / 2.0 inches
Transceiver H / W / D:	280 / 228 / 40 mm 11.0 / 8.9 / 1.6 inches
Antenna H / W / D:	297 / 399 / 51 mm 11.7 / 15.7 / 2.0 inches

Weight (incl. battery)

Total:	3.2 kg / 7.0 lbs
Antenna:	1.7 kg / 3.7 lbs
Transceiver:	1.5 kg / 3.3 lbs

Global Services

Voice:	4 kbps AMBE+2
Premium voice:	3.1 kHz audio, 64 kbps
Standard IP:	Up to 492 kbps
Streaming IP:	32, 64, 128, 256 kbps
BGAN X-Stream:	Minimum 384 kbps (from 384 to 450 kbps)
ISDN:	UDI 64 kbps / RDI 56 kbps
SMS:	160 characters

Inmarsat BGAN frequencies

Receive (Rx):	1525.0 – 1559.0 MHz
Transmit (Tx):	1626.5 – 1660.5 MHz

GPS:	1575.42 MHz
EIRP:	20dBW ±1dB

Environmental Conditions

Temperature

Operational (ambient):	-25°C to +55°C / -13°F to +131°F
Storage:	-40°C to +80°C / -40°F to +176°F (ex. battery)

Battery storage

- 1 month: -20°C to +60°C / -4°F to +140°F ambient
- 3 months: -20°C to +45°C / -4°F to +113°F ambient
- 1 year: -20°C to +20°C / -4°F to +68°F ambient

Relative humidity: 95% non-condensing at +40°C / +104°F

Robustness: 0.5m / 1.64ft drop on concrete (operational, 95% survival)

Water and dust Transceiver: IP52 / Antenna: IP66

Interfaces

2 x Analogue RJ-11 phone/fax interfaces

1 x Bluetooth interface (vers. 1.2)

Frequencies:	2400.0 – 2483.5 MHz
Max. coverage, outdoor:	100m / 328ft
Max. devices connected:	7 handsets, 1 PC
Profiles supported:	Cordless handset, serial port, dial-up networking
Standard:	Power Class 1

2 x LAN interface

Connector type:	RJ-45, auto cross over MDI/MDI-X
Data rate:	10/100 Mbps
Max. cable length:	100m / 328ft (Cat5 UTP)
Standard:	ISO/IEC 8877:1992 and IEEE 802.3 (1998 edition)

1 x USB interface

Version:	1.1 (slave)
Connector type:	B plug
Max. cable length:	5m / 16.4ft

2 x ISDN interface

Connector type:	RJ-45
Max. units per port:	8, max. total power supplied 1W

1 x Transceiver/Antenna interface

Connector type:	TNC-QN
Max. cable length:	100m / 328ft, single coax cable
Max. cable loss:	1.4Ω / 20dB @ 1.5GHz

2 x BGAN SIM-Card slots

WLAN Access Point (not included in 403720A-00510)

Standard:	IEEE 802.11 a/b/g
Antenna:	Dual space diversity antennas in transceiver unit
Frequencies:	2400.0-2485.0 MHz and 5150.0-5850.0 MHz
Max. coverage outdoor:	100m / 328ft
Max. datarate:	54 Mbps

Power

DC input range:	10-32VDC
Power consumption	
Standby mode:	1.2W (typical)
Transmit mode:	18W (typical)
During charging:	65W (max.)
AC/DC power supply	
Input:	100-240VAC, 47-63Hz, 65W
Output:	19VDC
Connector type:	2.5 / 5.5 mm power jack
Battery	Lithium ion, rechargeable
Stand-by time:	36h, 25°C / 77°F
Transmit time, max.:	2h30m @ 144 kbps (158MB), 25°C / 77°F 1h30m @ 492 kbps (324MB), 25°C / 77°F 3h30m @ 492 kbps (756MB), 25°C / 77°F
Receive time, max.:	3h30m @ 492 kbps (756MB), 25°C / 77°F
Min. number of charges:	300
Recharge time:	2 hours 30 minutes
Charge temperature:	0°C to +45°C / 32°F to +113°F

General

LCD display	Graphical high resolution, back lit
User Interface	Four navigation keys and power button Audio and LCD pointing aids and LED indicators Thrane & Thrane web interface
Languages	UK, FR, DE, ES, RU and CN
Approvals	CE, FCC, GMPCS Inmarsat Class 1 Type Approval

Features

Phonebook, Fax, Message indicator, Restricted dialing, Traffic logging, Admin control (password protected), Webserver, Router or direct mode, Network Management, DHCP, SIP server, Remote Management, Up to 11 x PDP context, Point-to-point Protocol over Ethernet (PPPoE), Solar Panel powering

Package

EXPLORER 700 transceiver & antenna incl. rechargeable lithium ion battery
0.4m & 10m antenna cables, 2m ISDN/LAN cable, 1.8m USB cable
115/230VAC power supply
Getting started kit: Quick start guide, CD with manuals

Accessories

Antenna pole mount kit
Antenna cables (coax): 10m/3mm, 30m/5mm, <60m/10mm, <100m/10mm (hard)
EXPLORER 2-wire handset
Soft bag

Product Number

403720A	EXPLORER 700 Terminal
403720A-00510	EXPLORER 700 Terminal w/o WLAN