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

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EXPLORER 700

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 +60°C / -4°F to +140°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 ambient

Robustness: 0.5m / 1.6ft 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)

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General
LCD display
Graphical high resolution, back lit
User Interface
Four navigation keys and power button
Audio and LCD pointing aids and LED indicators
Thrace & 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

NB1: Product meets or exceeds Inmarsat specifications for operation on the Inmarsat Broadband Global Area Network (BGAN).
NB2: Product performance depends on a wide range of factors and actual usage.