EXPLORER 710
High-Speed, Ultra-Portable BGAN Terminal

October 2013 Data Sheet
The most important thing we build is trust

The next step change

The all-new EXPLORER 710 provides on-demand streaming rates at 650 kbps out of the box. As the world’s smallest Class 1 BGAN terminal and the first to take advantage of Inmarsat’s new streaming service (High Data Rate), the EXPLORER 710 will deliver high-speed, ultra-portable satellite streaming for broadcasting and other IP-based industry applications.

The EXPLORER 710 includes several advanced new features, including plug and play bonding - simply connect two EXPLORER 710’s and double the throughput. A low-end VSAT capability in a portable BGAN form factor.
EXPLORER 710
High-Speed, Ultra-Portable BGAN Terminal

Raising the BGAN bar

EXPLORER 710 is an ultra-portable satellite terminal set to usher in a new era in the world of BGAN by setting new standards for size, speed and features.

Smallest and Lightest

The smallest Class 1 BGAN terminal positioned to support broadcasters in enhancing the quality of mobile outside broadcasting.

Fastest ever BGAN

The first and only BGAN terminal to support the new High Data Rate on-demand streaming service from Inmarsat. With speeds higher than 600 kbps the EXPLORER 710 sets a new standard for mobile video newsgathering. HDR will be launched by Inmarsat in November 2013.

Double the speed with plug and play bonding* - simply connect two EXPLORER 710 terminals with an ethernet cable and achieve streaming rates over 1 Mbps.

Smart and Easy

The new flagship in the EXPLORER series introduces Smart Phones to the world of BGAN, enabling users to connect their own devices for controlling the terminal and for voice calling and connectivity.

Other features includes a USB host interface, hot-swappable batteries, a large easy-to-use LED display and multiple interfaces to support a wide range of applications.

Specifications

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Total H / W / D</th>
<th>332 / 279 / 54 mm</th>
<th>13.77 / 10.96 / 2.13 inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total weight</td>
<td>3.5 kg / 7 lbs (incl battery)</td>
<td>3.5 kg / 3.3 lbs</td>
<td></td>
</tr>
<tr>
<td>Antenna</td>
<td>1.9 kg / 4.2 lbs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transceiver (incl. battery)</td>
<td>1.6 kg / 3.5 lbs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Global Services

Voice: 4 kbps AMBE+2
Premium voice: 3.1 kbps audio, 64 kbps
Standard IP: Up to 492 kbps
Streaming IP: 128, 64, 128 kbps (256 kbps & ICRG stream)
High Data Rate Streaming: Min 600 kbps
HD Video: 15180-15250 MHz (Rx), 15250-15350 MHz (Tx), 16254-16350 MHz (Tx), 16700-16750 MHz (Rx) (EUMA)
Inmarsat frequencies: Supplied

ETR: 2063W @ 1.08

User Interface: PMOLED Display, 5 navigation keys, Audio and LCD panning aids and LED 
Indicator, Compass

Languages: UK, FR, DE, ES, NL and CN

Approvals: Inmarsat Class 1 Type Approval at launch, CE & FCC at launch, Other approvals TBC

Interfaces

| 1 x Analogue RJ-11 phone/fax interfaces |
| 2 x LAN interface |
| Connector type: RJ-45 |
| Power over Ethernet: PoE+ |
| Data Rate: 10/100 Mbps |
| Max. cable length: 150m / 328ft (Cat5 UTP) |
| 1 x USB host interface |
| Version: 2.0 (host) |
| Connector type: A plug |
| Charging: Up to 2A |
| 1 x ISON interface |
| Connector type: RJ-45 |
| Max. units per port: 2, Max. total power supplied 1W |

Power

DC input range: 10-32VDC
Power consumption: Intelligent Power Management 65W (max)

AC/DC power supply

Input: 100-240VAC, 47-63Hz, 55W
Output: 19VDC
Connectors type: 2.5 / 5.5 mm power jack
Battery: Lithium Ion, rechargeable
Stand-by time: 36 hours (to be confirmed)
Transmit time, max: 2610m @ 144 kbps
Receive time, max: 3120m @ 492 kbps
Recharge time: To be confirmed

Other features

Built-in SIP server
Embedded webserver
Advanced Router with admin control
Wireless Access Point
Battery hot-swap and Intelligent Power Management
BGAN bonding* (to be confirmed)
Remote activation and remote management*

Package

EXPLORER 710 Transceiver & Antennas incl. rechargeable Lithium Ion battery, Antenna cable, 2m ICRG cable, 110/230VAC power supply, Quick start guide

Important dates

General Availability: October / November 2013

Product number

4032720-00690 EXPLORER 710 Terminal

For further information please contact:
Cobham SATCOM
Lundtoftegaardvej 93 D
DK-2800 Kgs. Lyngby
Denmark
www.cobham.com
Tel: +45 3955 8800
Fax: +45 3955 8888

Note: All specifications are preliminary and are subject to change without notice.
* Bonding and remote management is not supported in SW Release 1.00.
Free SW upgrade will be available late 2013 / early 2014.

www.cobham.com