

EXPLORER 710

High-Speed, Portable BGAN Terminal

Product Sheet

COBHAM
SATCOM
Connecting the future



EXPLORER 710

High-Speed, Portable BGAN Terminal



Raising the BGAN bar

EXPLORER 710 is a 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 full Class 1 BGAN terminal positioned to support broadcasters by enhancing the quality of mobile outside broadcasting.



Specifications

| | |
|------------------------------|---|
| Dimensions | |
| Total H / W / D: | 332 / 279 / 54 mm 13.07 / 10.98 / 2.13 inches |
| Total weight: | |
| Antenna: | 3.5 kg / 7.7 lbs (incl. battery) |
| Transceiver (incl. battery): | 1.9 kg / 4.2 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 kbps (256 kbps & BGAN X-Stream) |
| HDR Streaming: | Min. 600 kbps Min. 300 kbps (Half-channel) |
| HDR) | |
| ISDN: | UDI 64 kbps / RDI 56 kbps |
| SMS: | Not supported |
| Inmarsat frequencies: | |
| | 1518.0 - 1525.0 MHz (Rx) (EMEA) |
| | 1525.0 - 1559.0 MHz (Rx) |
| | 1626.5 - 1660.5 MHz (Tx) |
| | 1668.0 - 1675.0 MHz (Tx) (EMEA) |
| EIRP: | 20dBW ±1dB |
| User Interface: | |
| | PMOLED Display, 5 navigation keys, Audio and LCD pointing aids and LED indicator, Compass |
| Languages: | UK, FR, DE, ES, RU and CN |
| Approvals: | Inmarsat Class 1 Type Approval at launch CE & FCC at launch. Other approvals TBC |

Fastest ever BGAN

The first and only BGAN terminal to support the full High Data Rate on-demand streaming service from Inmarsat. With speeds averaging 650 kbps, the EXPLORER 710 sets a new standard for mobile video newsgathering.

Double the speed with Plug & Play bonding; simply connect two EXPLORER 710 terminals with an ethernet cable and achieve streaming rates over 1 Mbps.

Interfaces

| | |
|---|----------------------------------|
| 1 x Analogue RJ-11 phone/fax interfaces | |
| 2 x LAN (RJ-45) interface | |
| Power over Ethernet: | PoE Cl. 2 on one RJ-45 interface |
| Max. cable length: | 100m / 328ft (Cat5 UTP) |
| 1 x USB host interface | |
| 2.0 (host), Charging up to 2A | |
| 1 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-TNC |
| Max. cable loss: | 1.4 / 20dB @ 1.5GHz |

| | |
|-------------------------|-----------------|
| 1 x BGAN SIM-Card slots | |
| WLAN Access Point | |
| Standard: | IEEE 802.11 b/g |

Environmental conditions

| | |
|-----------------------------|---|
| Temperature | |
| Operational (ambient): | -25°C to +55°C / -13°F to +131°F |
| Storage (excl. battery): | -40°C to +80°C / -40°F to +176°F |
| Battery storage temperature | |
| 1 month: | -20°C to +60°C / -4°F to +140°F |
| 3 months: | -20°C to +45°C / -4°F to +113°F |
| 1 year: | -20°C to +20°C / -4°F to +68°F |
| Water and dust: | Transceiver: IP52 / Antenna: IP66 |
| Relative humidity: | 95% non-condensing at +40°C / +104°F |

Power

| | |
|---|--------------------------|
| DC input range: | |
| 10-32VDC | |
| Power consumption | |
| Intelligent Power Management 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: | 36 hours |
| Transmit time, max.: | 2h30m @ 144 kbps |
| (25°C / 77°F) | 1h30m @ 650 kbps |
| Receive time, max.: | 3h30m @ 492 kbps |

Smart and Easy

EXPLORER 710 introduces smart devices to the world of BGAN, enabling users to connect their own smart phone for terminal control, voice calls and connectivity. The EXPLORER Connect App with a SIP softphone is available on Android and IOS.

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

Other features

| |
|--|
| Built-in SIP server |
| Embedded Webserver |
| Advanced Router with admin control |
| Wireless Access Point |
| Battery hot-swap and Built-in BGAN bonding |
| Remote activation and remote management |

EXPLORER Connect App for IOS and Android:
Includes a SIP Softphone, Terminal Access to control your BGAN and Pointing Assistance.

EXPLORER Cellular Modem for USB:
With the EXPLORER LTE Modem you can connect local cellular networks and use the EXPLORER 510 as wireless router for all your devices.

Package

EXPLORER 710 Transceiver & Antenna incl. rechargeable lithium ion battery, Antenna cable, 2m ISDN/LAN cable, 115/230VAC power supply, Quick start guide.

Accessories

| | |
|---------------|-----------------------------|
| 403720B-100 | EXPLORER 710 Antenna |
| 403686G | Lithium Ion Battery |
| 403720B-010 | Battery Hot Swap Cable |
| 403682P | 100-240V AC/DC Power Supply |
| 403650A-009 | Car Charger Cable |
| 403670A-00500 | IP Handset incl. Cradle |
| 403650A-921 | Pole Mount Kit |
| 403720B-942 | 10m Antenna Cable |
| 403720B-945 | 30m Antenna Cable |
| 403720B-947 | 50m Antenna Cable |
| 403720B-953 | 80m Antenna Cable |
| 403756A-0500 | EXPLORER Cellular USB Modem |

Product number

| | |
|---------------|-----------------------|
| 403720B-00500 | EXPLORER 710 Terminal |
|---------------|-----------------------|

For further information please contact:
satcom.land@cobhamsatcom.com

