EXPLORER 510

Ultra-Portable Satellite Companion

February 2016 Product Sheet

The most important thing we build is trust



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Ultra-Portable Satellite Companion

COBHAM

A rugged BGAN fit for purpose

The all new EXPLORER 510 is the smallest ever EXPLORER BGAN and the ideal combination of performance and portability.

The durable magnesium casing and a dust and water resistant design makes the EXPLORER 510 the perfect choice when working off the beaten track, but still dependant on a reliable connection.

Portable performance

Smaller than a standard laptop and weighing less than 1.4 kg, this satellite terminal is easy to carry along when travelling the world.

It supports your need for performance and provides simultaneous high quality voice and broadband access at speeds up to 464 kbps.

Connect the optional EXPLORER Cellular Modem to the USB port and turn your device into a true communication SmartHub. Use local cellular net when available and BGAN if no other option.

Satellite connectivity made simple

EXPLORER 510 is easy to set-up and to operate. The user interface is intuitive and can be accessed from your PC or any kind of smart device.

With the EXPLORER Connect App you can use your smart device to make calls or easily access the internet even in areas with no terrestrial or cellular coverage. The EXPLORER Connect App with a SIP softphone is available on Android and IOS.



Specifications

Dimensions	
Total H / W / D:	202 / 202 / 51.8 mm 7.8 / 7.8 / 1.6 inches
Weight (incl. battery):	1.4kg / 3.1lbs
Data capabilities	
Standard IP:	Up to 464 kbps
Streaming IP:	32, 64, 128 kbps
Voice capabilities	
Standard voice:	4 kbps
Premium voice:	3.1 kHz audio, 64 kbps
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:	15.1 dBW ±1dB

User interface:	Two LED (WLAN, Status), 1 Power Button USB Host, Cobham web interface
Languages:	ENG, FR, DE, ES, RU, J Pand CN
Approvals:	CE, FCC, IC, C-TICK Inmarsat Class 2 Type Approval

Interfaces

WLAN Access Point	
Standard:	IEEE 802.11 b/g/n
1 x USB host interface	
Version:	2.0 (host)
Charging:	Up to 1A
1 x BGAN SIM-Card slot	

Environmental conditions

Temperature	
Operational (ambient):	-25°C to +55°C / -13°F to +131°F
Storage:	-25°C to +80°C / -13°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 +25°C / -4°F to +77°F
Relative humidity:	95% non-condensing at +40°C/+104°F
Robustness:	0.5 m/1.64 ft drop on concrete (operational, 95% survival)
Water and dust:	IP-66 Compiant

Power

DC input range:	10.5-32VDC
Power consumption	
Standby / transmit:	2.8W / 19W (typical)
During charging:	20W (max.)
Connector type	2.5mm EIAJ RC-5320-IV
AC/DC power supply	
Input:	100-240VAC, 47-63Hz, 64W
Output:	19VDC
Built-in Battery:	Lithium ion (rechargeable)
Stand-by time:	24h, 0°C to 55°C / +32°F to +131°
Standard call:	Minimum 3h (TBC)
Receive time, max.:	4h40m @ 128kbps
Transmit time, max.:	2h25m @ 128kbps
Recharge time:	Less than 3 hours
Charge temperature:	0°C to 45°C / +32°F to +113°

Other features

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 510 terminal
- Built-in Rechargeable Lithium Ion Battery
- EXPLORER Softbag
- USB to Ethernet Converter Cable
- 100-240VAC Power Supply
- Multi-Languge Quick Start Quide
- Multi-language webserver and embedded manual (ENG, FR, DE, ES, RU, J Pand CN)

Accessories

- Polemount
- EXPLORER Softbag (included in the package)
- 100-240VAC power supply
- Car Charger cable
- EXPLORER Cellular USB Modem

Product number

403711A-00500	EXPLORER 510 Terminal

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