

Explorer 710

The Explorer 710 terminal is the world's smallest Class 1, High-Speed, Ultra-Portable BGAN Terminal

The Explorer 710 will deliver high-speed, ultra-portable satellite streaming for broadcasting and other IP-based industry applications.

Overview

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.

FEATURES

- Full duplex, single or multi-user, standard data up to 492 kbps
- Support for streaming data at 32, 64, 128, 176, 256 kbps, HDR (asynchronous or synchronous) and BGAN X-Stream
- Standard LAN w. PoE, WLAN, ISDN and Phone ports and USB Host interface
- Detachable antenna with integrated transceiver stand and transceiver-to-antenna range up to 100 m/328 ft.
- Built-in DHCP/NAT wireless router
- Built-in web interface allowing you to manage your calls and customize the terminal to your specific needs, using a smartphone, computer or tablet.
- Point-to-Point Protocol over Ethernet (PPPoE)

Details

Manufacturer:	• Cobham
Network:	• Inmarsat
Device Type:	• Terminal
Markets:	• Utility • Military • Events • Media

Technical Specs

Global Services Voice: 4kbps AMBE+2 -- Premium Voice: 3.1kHz audio, 64 kbps
Standard IP: Up to 492 kbps
Streaming IP: 32, 64, 128 kbps (256 kbps & BGAN X-Stream)
High Data Rate Streaming: Min 600kbps (Min. 300 kbps with Half-channel HDR)
ISDN: UDI 64 kbps / RDI 56kbps
SMS: Supported

Interfaces 1 x Analogue RJ-11 phone/fax interfaces
2 x LAN interface - RJ45, 10/100 Mbps, Max. cable length 100m / 328ft
1 x USB 2.0 host interface
1 x ISDN interface - RJ45, Max. units per port: 8
1 x Transceiver / Antenna interface - TNC-TNC, Max. cable length 100m / 328ft
1 x BGAN SIM-Card slots
WLAN Access Point - IEEE 802.11 b/g/n with up to 30 meters range (100 feet)
Power port

User Interface PMOLED Display, 5 navigation keys
Audio and LCD pointing aids and LED indicator
Compass

Transmit/Calling Time 2h30m @ 144 kbps, 1h30m @ 492 kbps on battery

Standby Time 36 hours idle standby time on battery

Security Wi-Fi Password Control - WPA2

GPS Yes

PHYSICAL

DC Power 10 - 32 VDC
Power Adaptor 110-240 volts AC input, +19VDC, 65 watt output

Battery Standard Battery is Li-Ion rechargeable with a standby time of up to 36 hours

Dimensions 13.07" x 10.98" x 2.13" (332 x 279 x 54 mm)
H x W x D

Terminal Weight 7.7lbs (3.5kg) Total -- Antenna 4.2lbs (1.9kg) + Transceiver (incl. Battery) 3.5lbs (1.6kg)

Operating Temp -25 °C to +55 °C, -13°F to +131°F

Storage Temperature 1 month: Between -20 °C to +60 °C, -4 °F to +140 °F
6 months: Between -20 °C to +45 °C, -4 °F to +113 °F
1 year: Between -20 °C to +20 °C, -4 °F to +68 °F

Ingress Protection Transceiver: IP52, Antenna: IP66