SATCOM Land

January 2014

COBHAM

The most important thing we build is trust

MARITIME
- VSAT Antenna Systems
- TV Solutions
- FleetBroadband
- GMDSS
- VHF and MF/HF radios
- AIS and Navtex

LAND
- Portable BGAN
- Drive-Away and Fly-Away VSAT Systems
- Satcom-on-the-Move for BGAN and VSAT

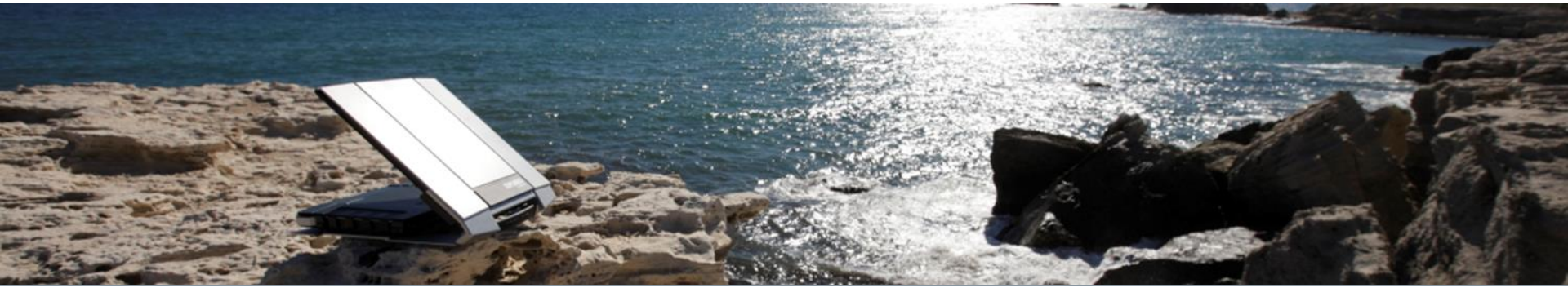
AERO
- SwiftBroadband
- Swift 64
- Systems
- Antennas

SYSTEMS
- Infrastructure
- BGAN RAN
- Inmarsat-C
- Inmarsat-M/B
- Inmarsat Classic Aero

EXPLORER 710

High-Speed, Ultra-Portable BGAN Terminal

Introducing EXPLORER 710
- the bar is raised…

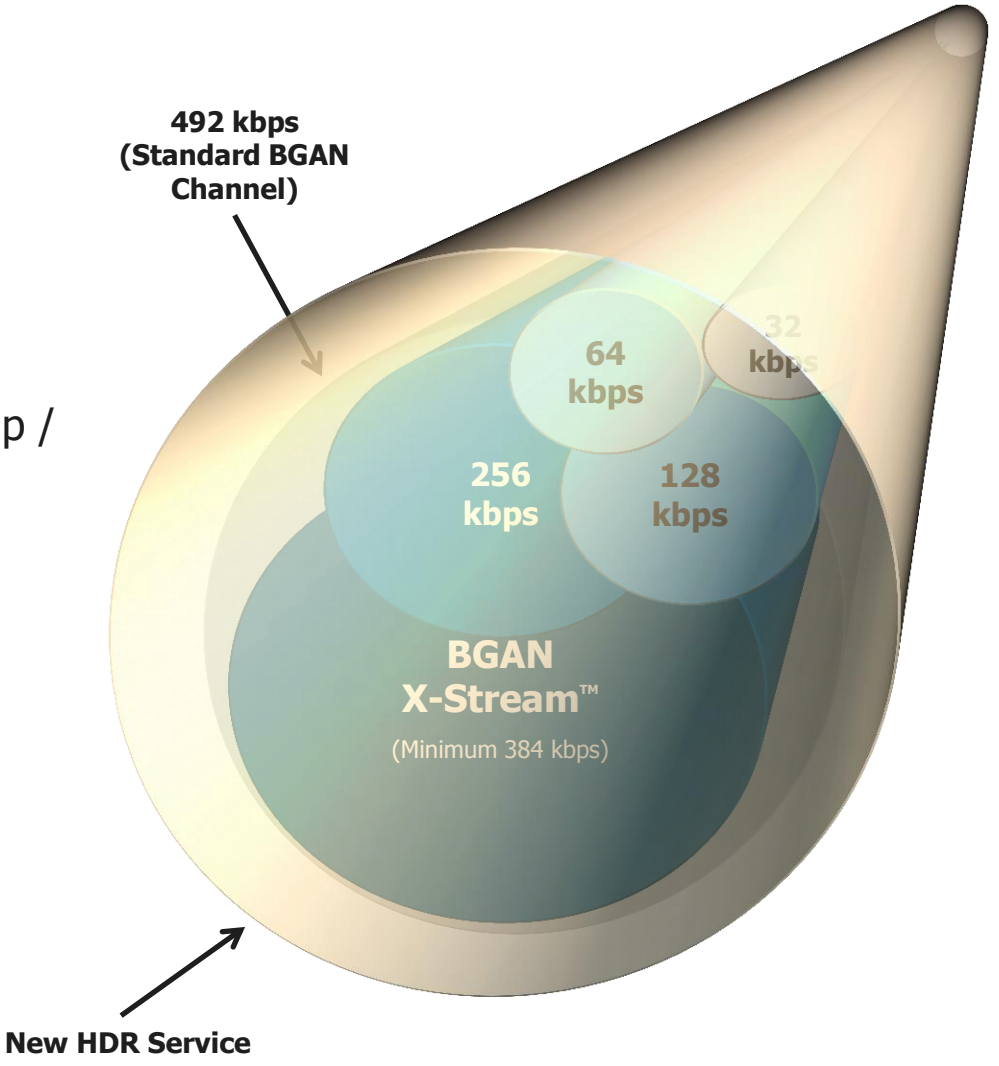


Introducing the EXPLORER 710

- A state of the art BGAN setting new standards in terms of speed, size and features.
- Radical improvement in video quality - the first and only BGAN to support High Data Rate streaming service from Inmarsat.
- Ultra-portable and lightweight with more capability.

EXPLORER 710
- High Data Rate - Radical improvement in video-quality

- HDR on-demand Streaming Service provides a bandwidth (QoS) of >600 kbps.
- Two types of services
  1. Asymmetrical service (> 600 kbps up / 64 kbps down); pay for what you need.
  2. Symmetrical service (>600 kbps)
- Half-channel HDR service.
- Standard (shared) data will continue to be 492 kbps.



EXPLORER 710

- Ultra-Portable BGAN

EXPLORER 700

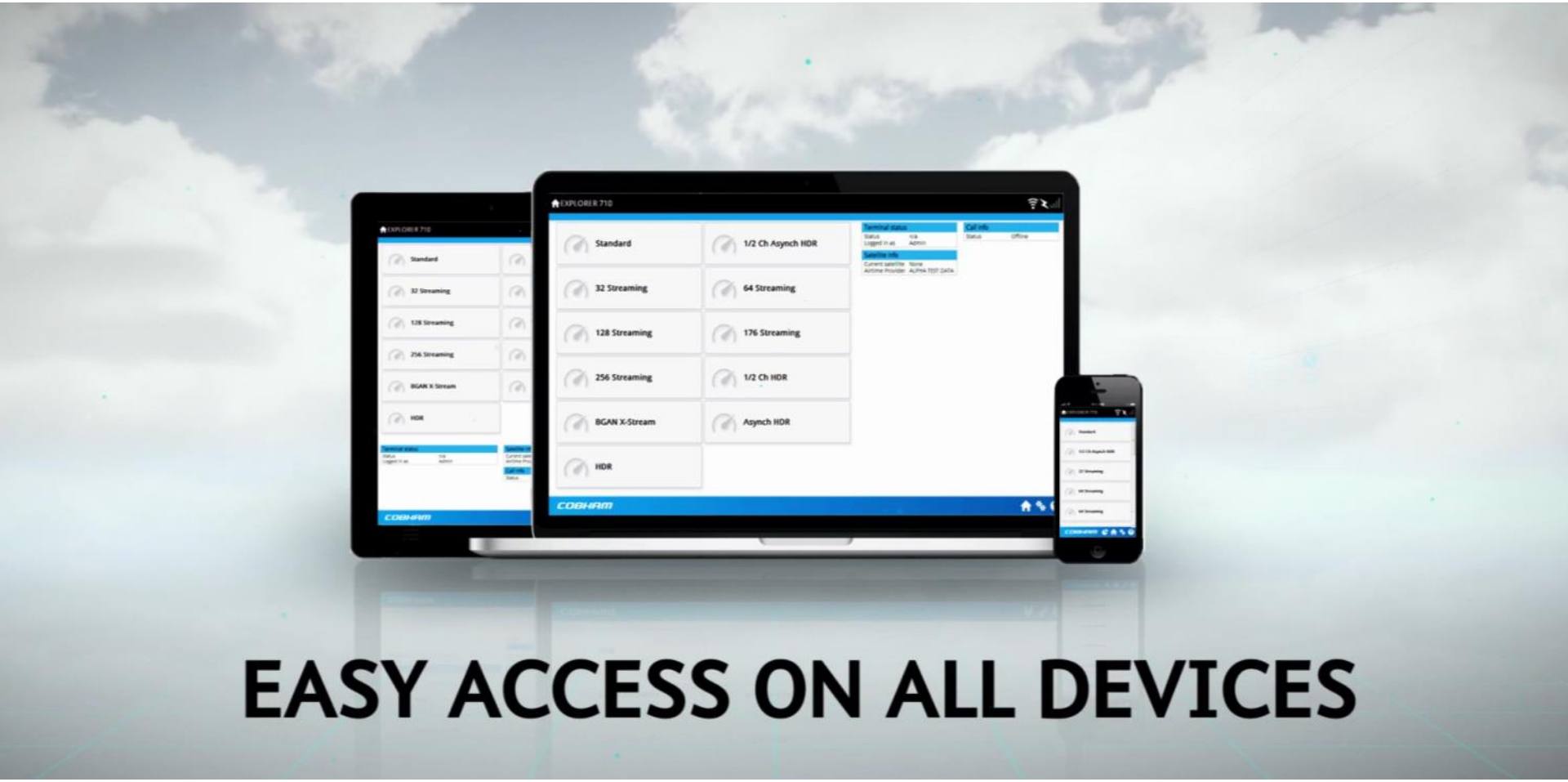
EXPLORER 710

EXPLORER 710 - the smallest Class 1 BGAN terminal

EXPLORER 710 Webserver

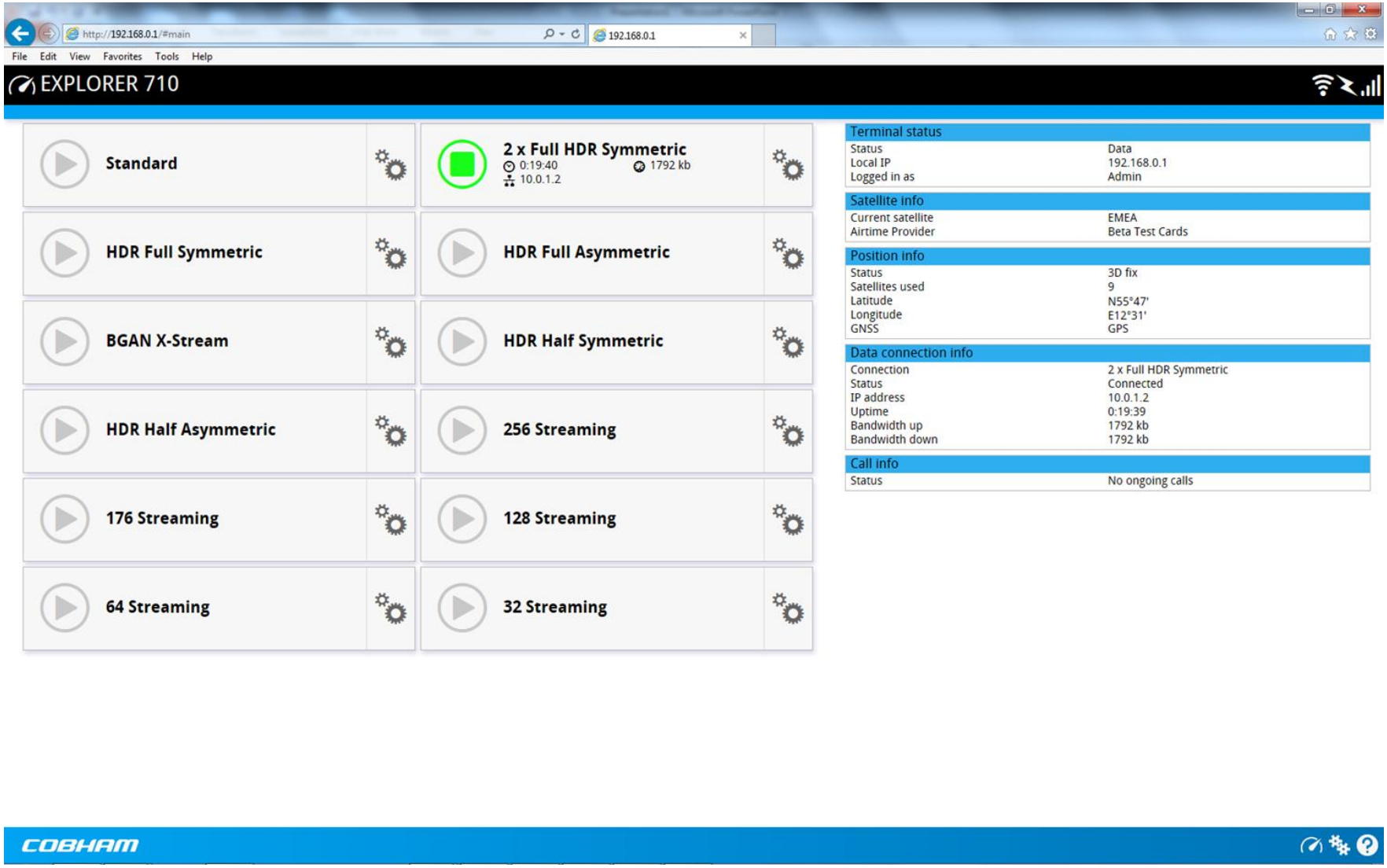
- Responsive Web Design

- The Webserver user interface is optimized for different screen sizes automatically adopt to the screen size.



EXPLORER 710 Webserver

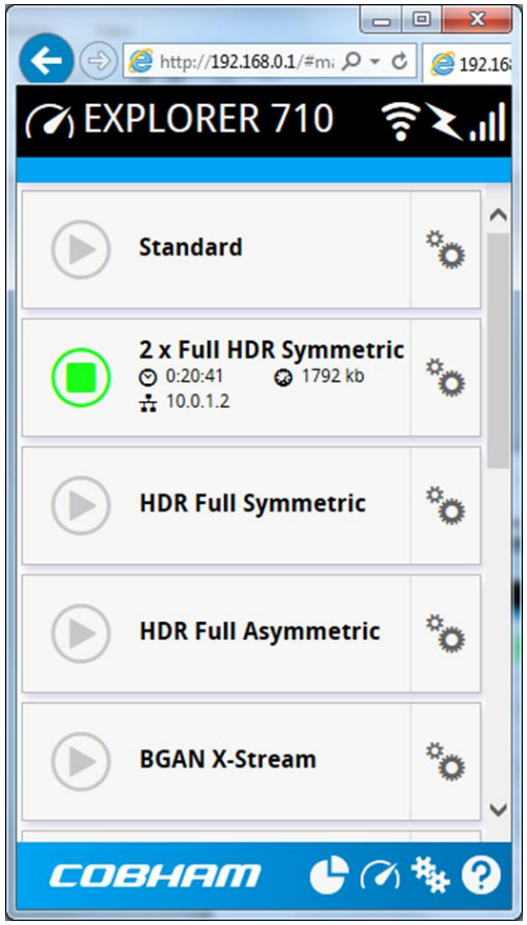
- Start menu



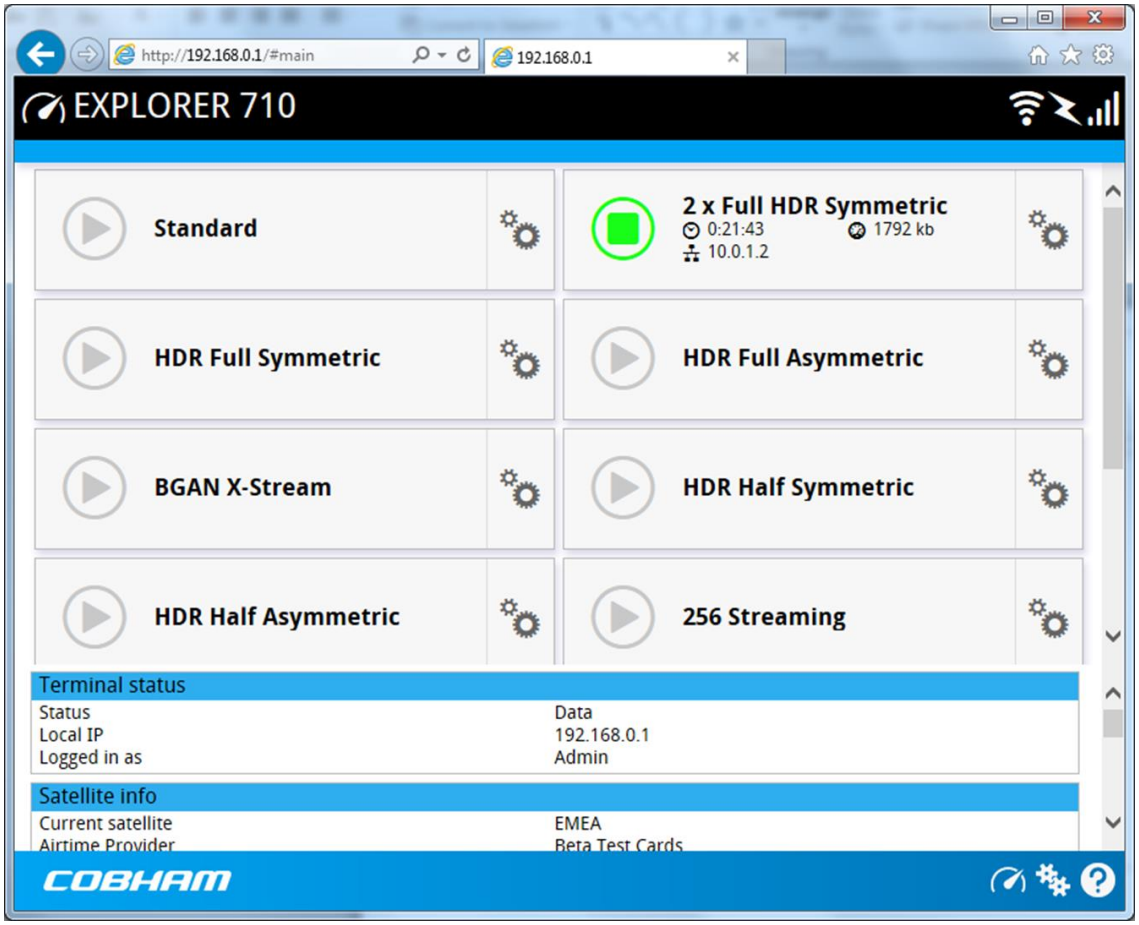
EXPLORER 710 Webserver

- Start menu on different screen sizes

Smartphone



Tablet PC



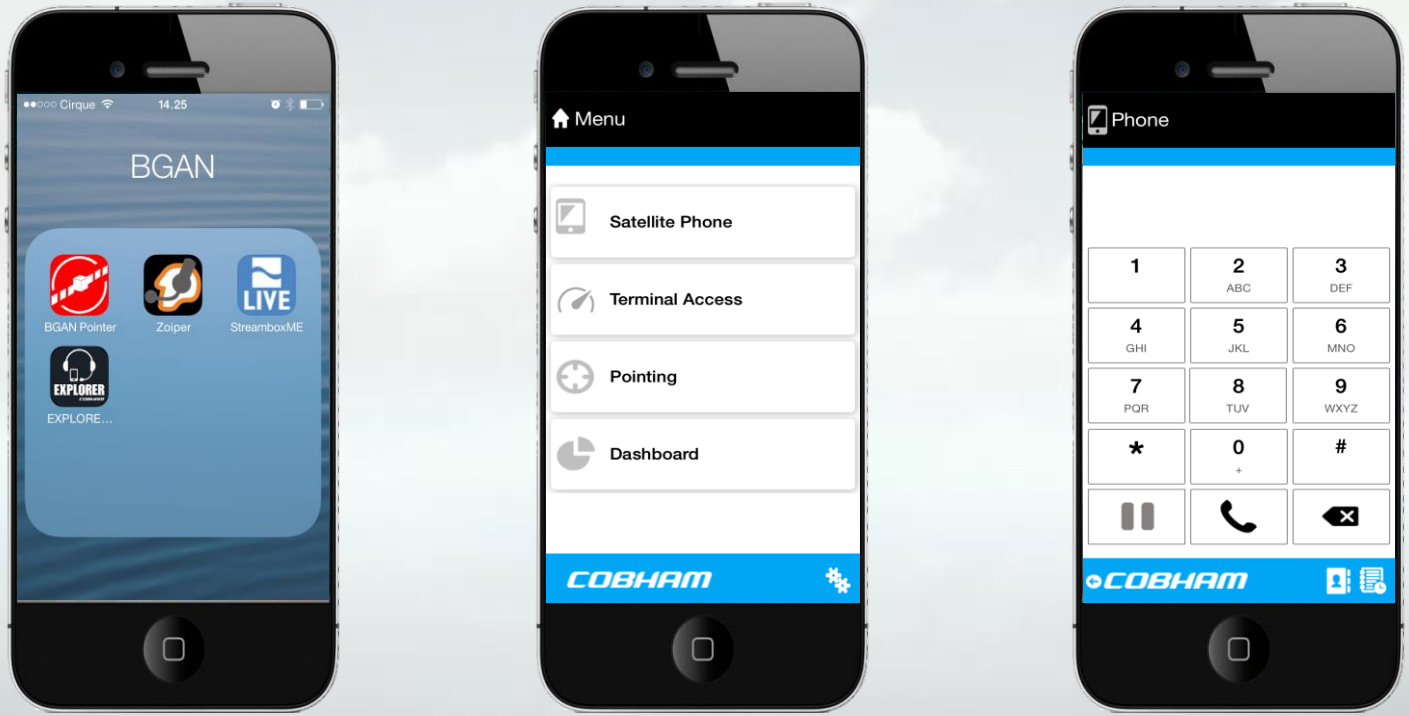
EXPLORER 710 SIP Server

- Use your own Smart Phone and avoid roaming

- Use a free SIP phone app on your smart phone to make phone calls from anywhere in the world with no roaming charges.

EXPLORER 710 SIP Server
- EXPLORER Connect App

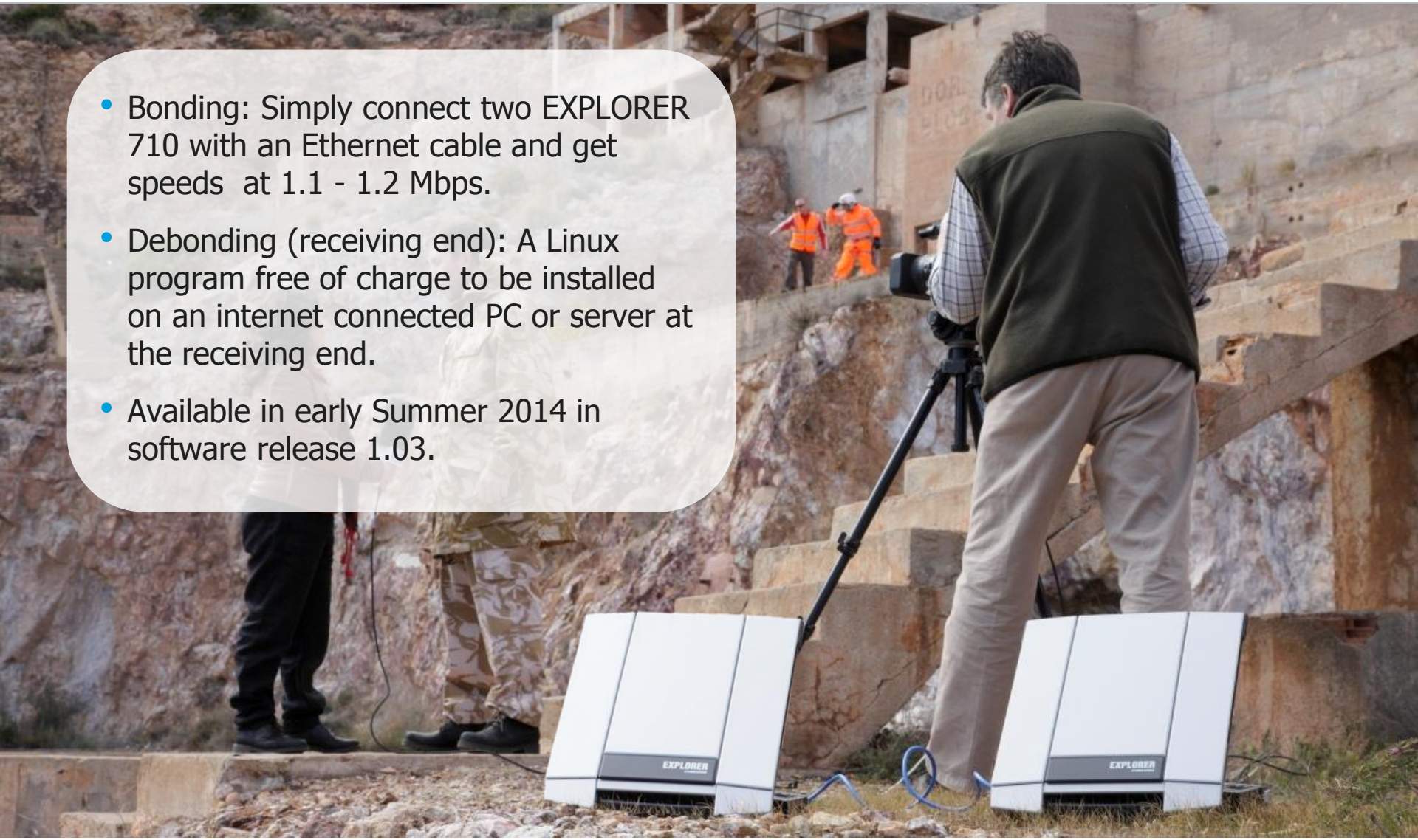
- An app for Android and Iphone with a SIP phone and easy access to the EXPLORER 710 webserver.



NOTE: EXPLORER Connect App will be made available on Google Play (Android) and Apple App Store (IOS) in early Summer 2014.

EXPLORER 710

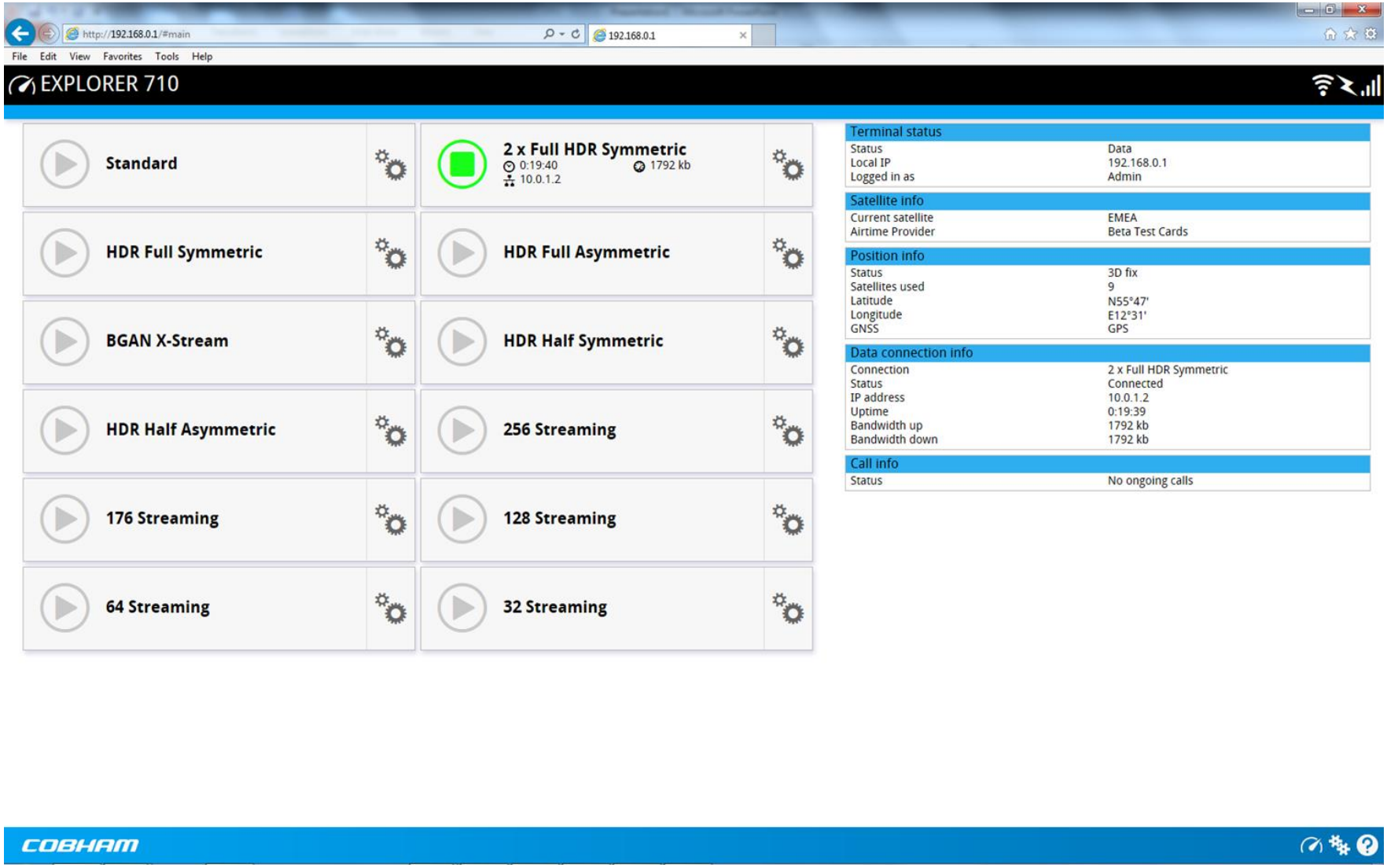
- Plug 'n Play bonding



- Bonding: Simply connect two EXPLORER 710 with an Ethernet cable and get speeds at 1.1 - 1.2 Mbps.
- Debonding (receiving end): A Linux program free of charge to be installed on an internet connected PC or server at the receiving end.
- Available in early Summer 2014 in software release 1.03.

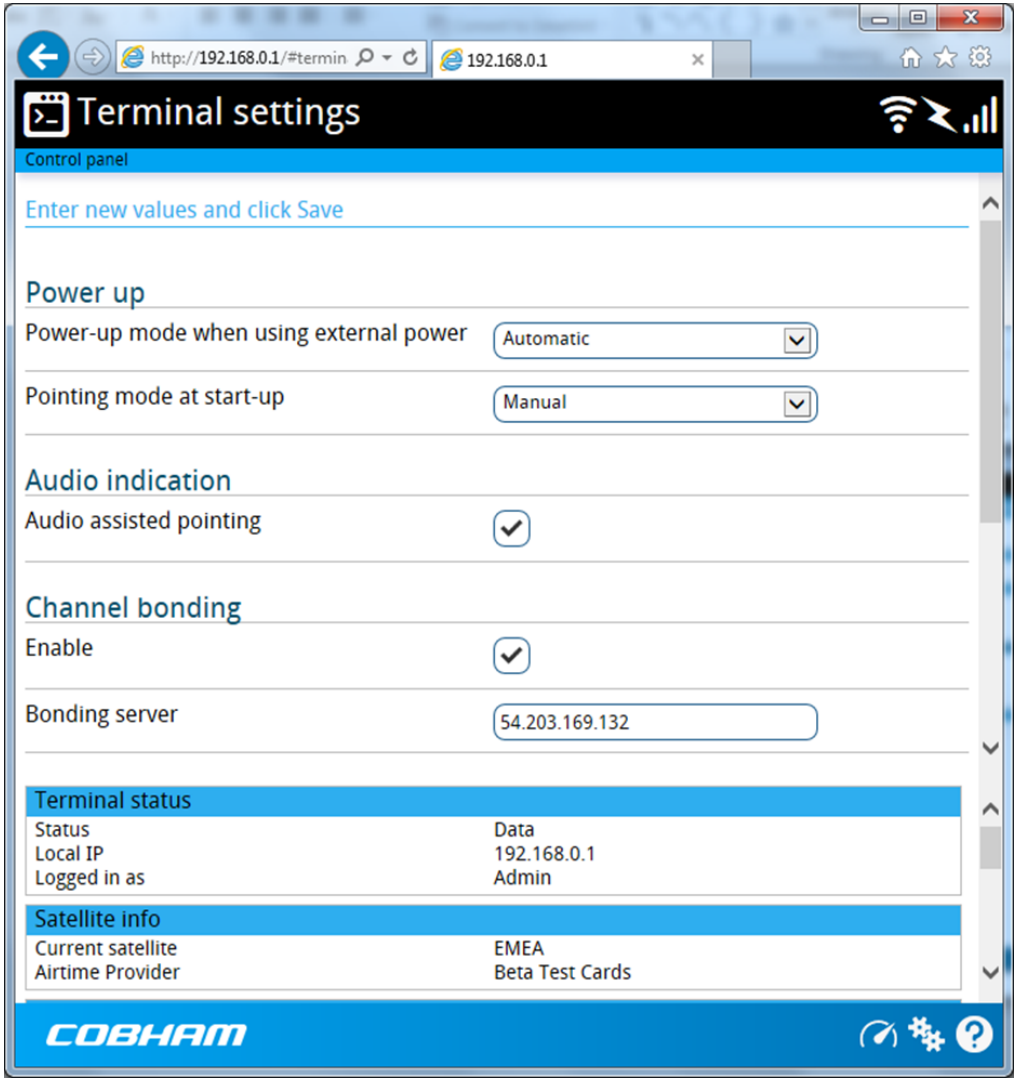
EXPLORER 710 Bonding

- New icon will appear when two terminals are connected



EXPLORER 710 Bonding

- Easy to setup under terminal settings



EXPLORER 710 Display

- An easy-to-use LED display

- The largest BGAN LED display makes it easy to manage and control the EXPLORER 710 terminal.

EXPLORER 710 Battery hotswap

- Ad a secondary EXPLORER 710 battery to double the battery life and swap the primary battery if needed.

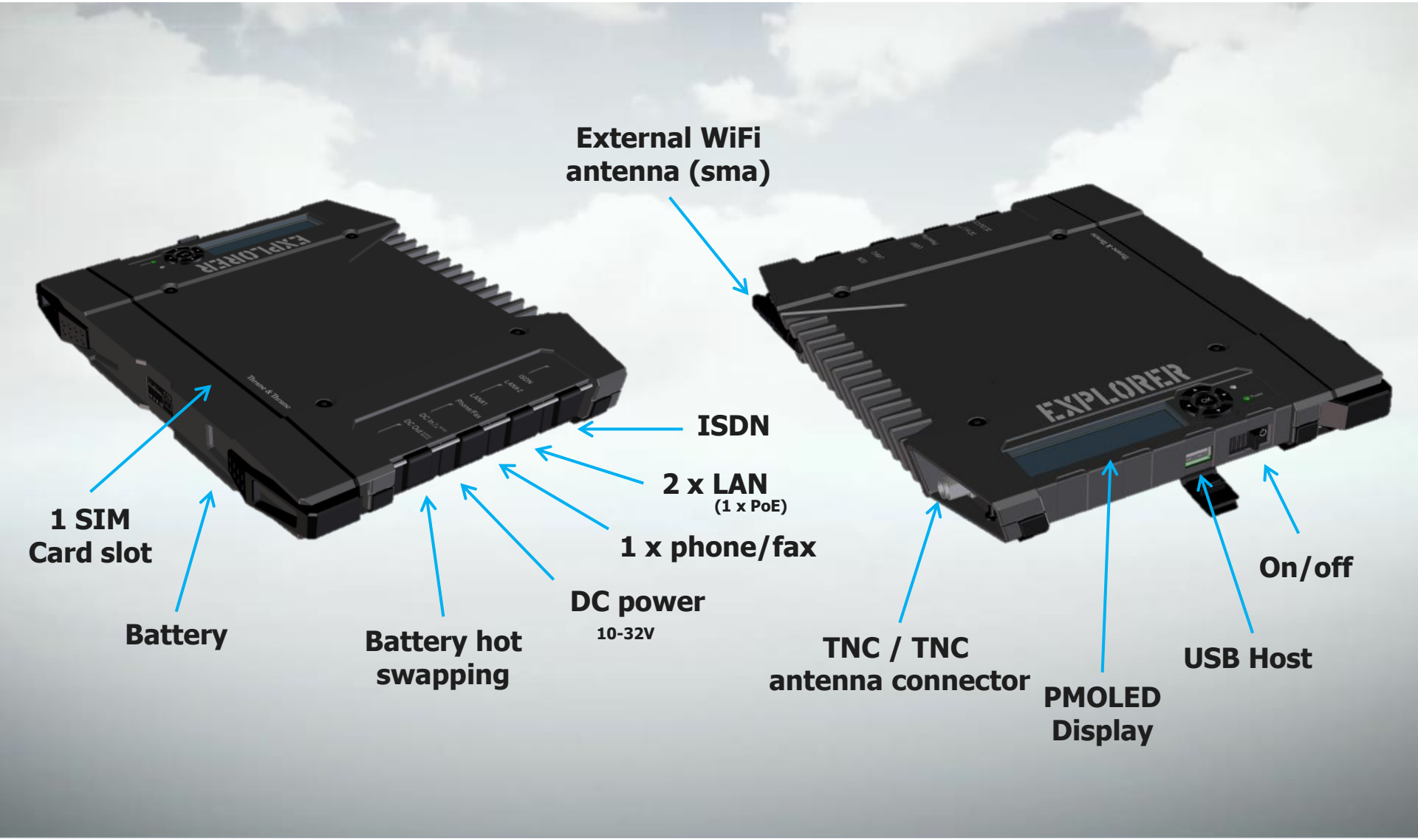
EXPLORER 710 Softshell

- Packaging that makes a difference

All EXPLORER 710 will be delivered in a customized Softshell Case.

"a first impression is a lasting one"

And much, much more…



Key features
EXPLORER 710 versus EXPLORER 700

	EXPLORER 710	EXPLORER 700
Standard IP	Up to 492 kbps	Up to 492 kbps
Streaming IP	32, 64, 128, 256 kbps, BGAN X-Stream, HDR	32, 64, 128, 256 kbps, BGAN X-Stream
Size	33.2 x 27.9 x 5.4 cm	29.7 x 39.9 x 5.1 cm
Weight	3.5 kg	3.7 kg
Ethernet	2 RJ-45 Connectors (1 with PoE)	2 RJ-45 Connectors
ISDN	1 RJ-45 Connector	2 RJ-45 Connectors
2-wire	1 RJ-11 interface (phone/fax)	2 RJ-11 interfaces (phone/fax)
USB	USB Host – charging up to 2A and support for Software upgrade via USB stick	USB Slave (B plug)
WLAN	802.11 b/g (exchangeable antenna - SMA connector)	802.11 b/g
Bluetooth	No Bluetooth	Ver 1.2
Display	2 x 8 cm LED Display with 5 navigation keys	1 x 5 cm LCD Display
Antenna	External. TNC / TNC Connector. Built-in tripod thread and VESA 55 bracket support	External. TNC / QNC Connector VESA 100 bracket support
Battery	External. Extra DB9 interface for powering via external EXPLORER 710 battery	External
SIM Card	1 Inmarsat SIM-Card slot	2 Inmarsat SIM-Card slot (support not implemented)

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