



## EXPLORER™ 325

SMALLEST VEHICULAR BGAN SYSTEM FOR ON-THE-MOVE COMMUNICATION

# EXPLORER™ 325

## Important dates

- Product Announcement: **March 19<sup>th</sup> 2010**
- Product Launch: **June 2<sup>nd</sup> 2010**  
(Will officially be launched at the Global Inmarsat Conference in Monte Carlo)
- First Customer Shipment: **August 2010**  
(Exact date to be defined)

# EXPLORER™ 325

- EXPLORER™ 325 is the BGAN based replacement of the Compact Car Phone (Mini-M)
- Radome will appear more Compact Car Phone like than EXPLORER™ 727



## Specifications:

Full Class 11 performance

Data:

200/258 kbps (Background, all elevations)

Streaming: 32, 64, 128kbps

Voice:

AMBE+2 (3.1kHz audio, no ISDN)

Interfaces:

2 Ethernet with PoE

1 2-wire

Power (10.5 - 32 VDC)

Dimensions:

Antenna: Ø: 350 mm, H: 120mm

Transceiver: Similar to Sailor 150 BDU

## EXPLORER™ 325

### Package

- EXPLORER™ 325 Antenna
- EXPLORER™ 325 Transceiver
- Thrane IP Handset (wired)
  - Incl. cradle
- Antenna cable 2.7m
- Standard Ethernet Cable 2m
- DC Power Cable 1m
- Printed Quick Guide
- CD with installation manual / user manual.
- Optional
  - Cable support and various cable length



# EXPLORER™ 325

## New Antenna

- Mechanically steered – maintenance free
- 2 element helix
- 2-axis stabilized
- Down to 5° elevation angle
- Built-in magnetic mounts.
- Colors – white
- Single coax cable with TNC connectors
  - RF, DC & modem



### Size:

Radius = 35 cm / 13.78 inches

Height = 12 cm / 4.7 inches

# EXPLORER™ 325

## New Transceiver



- On/Off button
- 5 x general purpose I/Os
- DC in 10.5 - 32V
- 2 x LAN interface with Power over Ethernet (PoE)
- 2 x Phone/fax interface RJ-11
- 1 Sim-Card slot
- Antenna connector



Up to 384 kbps



Weight

Transceiver: ~2.4 kg



Standard data (PS)

Streaming data (QoS)(32, 64, 128 kbps)

Standard voice (CS)



Environmental protection:

Antenna: IP-56

Transceiver: IP-31

Dust and spray proof

# EXPLORER™ 325

Including the Thrane & Thrane IP Handset

- Powered over Ethernet (PoE)
- Supports VoIP (SIP server in terminal)
- Handset can be used to configure the terminal
- Build-in web server for easy configuration
  - Can be configured directly from the terminal web server
- Up to 16 handsets per terminal
  - offering support for multiple VoIP calls
- QVGA color display with Night color option
- Hands free and Headset options
- Local calls and call forwarding (built-in PBX)
- No drivers needed
- IP rating 54
- Embedded crypto



# Vehicular BGAN line-up



**EXPLORER™ 325**



**EXPLORER™ 727**

Bandwidth (UL / DL)	Up to 384 kbps 200 / 258 kbps above 5° elevation	Up to 492 kbps 432 / 432 kbps above 5° elevation
Quality of Service	32, 64, 128 kbps	32, 64, 128 & 256 kbps (>45°)
ISDN	No	Yes
Premium Voice	3.1 kHz audio via 2-wire	3.1 kHz audio
Ethernet	Yes – 2 ports	Yes – 4 ports
2-wire	Yes – 1 port	Yes – 2 ports
WLAN	No	No
DHCP, NAT & PAT	Yes	Yes
Single-user / Multi-user	Multi	Multi
Detachable antenna	Up to 50 m	Up to 50 m
Weight: Transceiver	2.4 kg / 5.5 lbs	2.4 kg / 5.5 lbs
Antenna	4.5 kg / 9.9 lbs (TBD)	6 kg / 13.2 lbs
Size (H x W x D): Transceiver	41 x 231 x 278 mm	42.5 x 247 x 270 mm (19" rack opt.)
Antenna	120 x Ø350 mm	150 x Ø476 mm
Ingress Protection Antenna	IP-56	IP-56