



Approvals

Inmarsat Land Vehicular Type Approval
CE mark, GMPCS

Frequency Band

RX:	1525.0 – 1559.0 MHz
TX:	1626.5 – 1660.5 MHz
Ch. spacing:	1.25 kHz – RX.

Recommended Antenna Cable

Cable loss max:	
At 1525.0 – 1660.5 MHz	20 dB
At 36 – 54 MHz	4 dB
Maximum DC loop resistance	0.6 ohm
Max. cable length pr. type	
RG-223_U-01	14 m/46 ft
RG-214_U-01	50 m/164 ft
S-07262-BD	92 m/302 ft

Global Services

Voice:	
Standard 4 kbps	Yes
Premium 3.1 kHz audio (*1)	Yes
Fax:	
ISDN, 3.1 kHz audio (*1)	64 kbps
Data:	
ISDN UDI/RDI (*1)	64/56 kbps
ISDN 3.1 kHz audio (*1)	64 kbps
Standard data up to	432 kbps
Streaming data (QoS)	Up to 256 kbps
Text messaging:	
SMS	160 char.

Antenna Connectors

EXPLORER Terminal TNC-socket, female
EXPLORER Antenna, TNC-socket, female

Interfaces

4 x 10/100 Mbps Ethernet LAN user ports w/PoE
- Max power at 12 V, 30 W
- Max power at 24 V, 60 W

1 x ISDN (Euro – RJ-45)
2 x 2-wire (Analog – RJ-11)

5 x I/O connector with General Purpose I/Os:
Pin 1: Ringer
Pin 2: Warning
Pin 3: Mute
Pin 4: Radio Silence
Pin 5: Ignition Control

1 x SIM card slot.
1 x Heavy duty power input plug (10-32 VDC).
- w/ remote on/off and locking mechanism

1 x Factory default reset button
1 x Power on/off switch
Status LEDs for:
Power, Terminal, Antenna, Messages, LAN Activity, Link, PoE

Power Consumption

Maximum incl. antenna & PoE @ 10-32 V: 150 W

Included in Package

EXPLORER 727 Terminal
EXPLORER 727 Tracking Antenna
Antenna cable, coax w/ TNC plug (2.7 m & 8 m/8.8 ft & 26 ft)
Standard ethernet cable (5 m/16.4 ft)
24 VDC input cable (6 m/19.7 ft)
Thrane IP handset w/ cradle & coiled cable
Cable between cradle & terminal (5 m/16.4 ft)
Antenna mounting kit (Fixed/Rail)
Cable support
Documentation package (Getting started kit & CD)

Environmental Conditions

Ambient temperature: (Operational)	-25 to +55°C (-13 to 131°F)
Survival temperature: (Power on, non-functional)	-40 to +80°C (-40 to 176°F)
Storage temperature:	-40 to +85°C (-40 to 185°F)
Operating humidity:	95% non-condensing (at +40°C/104°F)
EXPLORER Terminal:	IP-31
EXPLORER Antenna:	IP-56

Features

Phone book
Message indication
Restricted dialing
Traffic logging
Admin control (password protected)
Web server
Router mode
Direct mode
Network management
DHCP
SIP server
Up to 11 x PDP-context

Dimensions and Weight

Weight:	
Antenna	6 kg/13.2 lbs
Transceiver	2.4 kg/5.5 lbs
Size:	
Transceiver:	
H/W/D [mm]	42.5 x 247 x 270
H/W/D [inches]	1.67 x 9.72 x 10.63
Antenna:	
H/W [mm]	160/Ø476.5
H/W/D [inches]	6.3/Ø18.76

Accessories

Magnetic mount (antenna)
19" Rack mount (terminal)
EXPLORER 2-wire handset
Optional antenna color: White

Future Options

Multicast (Inmarsat dependant)
L-band RX applications

Subject to change without further notice.

*1 Service only supported from 15 degrees elevation and inwards.