



# Satellite Broadband Powered by Thuraya DSL



ThurayaDSL satellite modem offers "always on" portable high-speed GPRS data communications, for you to send or receive data at speeds up to 144 kbps and stay connected to the internet via a shared channel.

Whenever you need it and in any environment the IP modem connects to a notebook or desktop computer to offer high speed data transfer with the following benefits:

- Reliable high-speed connectivity
- Light, compact, portable and user friendly hardware
- Range of service
- Choice of competitive subscription schemes

The ThurayaDSL modem is designed for practical use in any environment from nautical fleets to moving land vehicles and anything in between, our clients include; Navy, Army, Fishing Fleets, Leisure Liners, Oil Tankers & Rigs.



# Technical specifications



<b>Weight</b>	1.6kg (3.5 lbs) terminal and battery
<b>Size</b>	305 mm x 245 mm x 45 mm
<b>SIM Card</b>	Yes
<b>Operating temperatures</b>	-10°C to 55°C (14°F to 131°F)
<b>Operating humidity</b>	95% RH at 40°C (104°F)
<b>Input</b>	12 volt DC
<b>Mechanical Vibration</b>	200-2000 Hz, 0.3 m2/s3
<b>Unpacked Drop</b>	0.5 m on concrete
<b>Solar Radiation</b>	1120W/m2; MIL-SPEC 810E 505.3
<b>Water and dust proofing</b>	IP-54 as standard
<b>Air pressure for transport at altitude</b>	4500 m AMSL; MIL-SPEC 810E 500.3
<b>Battery Life</b>	Under normal conditions 24 hours standby time and 1 hour of continuous transmission at highest rate
<b>Battery Type</b>	Lithium-Ion
<b>External power</b>	Mains supply supply adapter.
<b>Connectors</b>	Ethernet (Rj-45)
<b>User interface</b>	Web page based graphical user interface accessible via standard web browser



<b>Weight</b>	1.2kg without cables, 3.0kg with cables
<b>Size</b>	Diameter: 204mm, length: 230mm
<b>Operating temperatures</b>	Operation: -20 to +70 degrees Storage: -30 to +85 degrees
<b>Thuraya DSL antenna part</b>	TX/RX amplified LHCP antenna element to meet specifications for G/T of -24 dB/K 5 dBW
<b>Insulation between RX/TX</b>	app 60dBW
<b>Coverage</b>	-10 to + 90 degree elevation
<b>Supply voltage</b>	10.5 – 13.6 Volts DC
<b>Power consumption</b>	up to 20W (stand by: 60mA)
<b>Operation frequencies</b>	RX: 1525 to 1559 MHz, TX: 1626 to 1661 MHz
<b>GPS antenna part</b>	RHCP patch antenna with build in 27dB amplifier (NF: 1.15dB)
<b>Cables</b>	12m 6.1mm low loss cable
<b>Connectors</b>	THURAYA DSL part: F type - male GPS part: Hughs special - female
<b>Mounting options</b>	35 to 40mm tube mount
<b>Material</b>	Injected Nylon, Radome material: GRP
<b>Allowed pitch/roll</b>	Region with sat elevation >20 degrees: +/-30 degrees Region with sat elevation >30 degrees: +/-40 degrees
<b>Isolation</b>	All parts are DC isolated for mounting brackets and chassis (interconnection box)

# Coverage area



ThurayaDSL service is available across Thuraya's coverage area.

Afghanistan	Central African Rep.	Ghana	Latvia	Niger	Somalia
Albania	Chad	Gibraltar	Lebanon	Nigeria	Spain
Algeria	Congo	Greece	Liberia	Norway	Sri Lanka
Andorra	Croatia	Guernsey	Libya	Oman	Sudan
Angola	Cyprus	Guinea	Liechtenstein	Pakistan	Sweden
Armenia	Czech Republic	Guinea Bissau	Lithuania	Palestine	Switzerland
Austria	Dem. Rep. Of Congo	Hungary	Luxembourg	Polan	Syria
Azerbaijan	Denmark	India	Macedonia	Portugal	Tajikistan
Bahrain	Djibouti	Iran	Malawi	Qatar	Tanzania
Bangladesh	Egypt	Iraq	Maldives	Romania	Togo
Belarus	Equatorial Guinea	Ireland	Mali	Rwanda	Tunisia
Belgium	Eritrea	Isle of Man	Malta	Russia	Turkey
Benin	Estonia	Italy	Mauritania	San Marino	Turkmenistan
Bhutan	Ethiopia	Ivory Coast	Moldova	Saudi Arabia	Uganda
Bosnia Herzegovina	France	Jersey	Monaco	Senegal	Ukraine
Bulgaria	Finland	Jordan	Morocco	Serbia & Montenegro	UAE
Burkina Faso	Gabon	Kenya	Mozambique	Seychelles	United Kingdom
Burundi	Gambia	Kazakhstan	Myanmar	Sierra Leone	Uzbekistan
Cameroon	Georgia	Kuwait	Nepal	Slovakia	Yemen
Cape Verde	Germany	Kyrgyzstan	Netherlands	Slovenia	Zambia