



## THURAYA IP

### More Broadband, Truly Mobile

ThurayaIP satellite modem offers Broadband Data Service through a compact, ultra lightweight and advanced satellite terminal. As the world's first and only Mobile Satellite Service to support 384 Kbps streaming IP, ThurayaIP offers superior 'Always on' Internet access from more than 120 countries in the world.

The ThurayaIP satellite broadband modem combines ultimate performance with a customized rugged design to sustain rough usage. It is very portable and easy to setup, a simple plug and play mechanism that comes with user friendly graphical user interface.



### ThurayaIP is ideal...

- For single users using bandwidth-hungry applications, such as transmission of store and forward video, live video and video conferencing
- For small teams who need to set up a temporary office with broadband connectivity from standard to various data applications
- Corporate customers
- Government agencies
- Media
- Non Governmental Organizations

### Applications

- Internet access – High speed Internet at speeds of up to 444 Kbps
- Streaming – Select guaranteed quality of service up to 384 Kbps on demand for bandwidth hungry applications like video streaming
- Remote Connectivity – Broadband access to your corporate network
- Email – Send and receive email via the Internet or other email applications
- File transfer – Send and receive large files

### Benefits

Choice of multi performance options – Access your data applications with multiple performance options to suit your various operational requirements:

- Portable – Exceptionally small in size (A5 size), ThurayaIP can be easily moved across locations and set up instantly
- Highly Competitive – Offers the most attractive and competitive service with volume based charging via various bundling options and unlimited usage price plans
- Robust – Conforms to IP 55 standard ingress protection standards; enabling outdoor installation in extreme weather conditions for extended periods of time
- Unmatched Flexibility – Easy to use in both portable and semi-fixed environments. Instant LAN setup through multi-user support allows an entire team to share a single unit
- Convenience – Simply connect ThurayaIP to a laptop, point to the satellite and enjoy satellite Broadband services
- Stand Alone – Easy to setup and start working- no laptop or PC is required to navigate setup. An embedded button and LCD in the terminal guides you through the whole setup control
- Complete security with GmPRS encryption algorithm (GEA2) - Connect seamlessly via your preferred VPN application

# THURAYA IP Technical Specifications

## Physical Characteristics

**Weight** 1.3 Kg terminal and battery  
**Size** 158mm x 225mm x 50mm (A5 size)

## IP Data Services

**Background class of service** Up to 444 Kbps over a shared channel

**Streaming IP** Without External Antenna:  
16, 32, 64, 128, 256 Kbps  
With External Antenna: 16, 32, 64,  
128, 256, 384 Kbps

## Tolerances

**Operating Temperature** Running from External Supply:  
-25 °C to +55 °C  
Running from Battery:  
0 °C to +50 °C

**Storage Temperature** Including Battery: -20 °C to +60 °C  
Excluding Battery: -40 °C to +80 °C

**Operating humidity** 95% RH at 40 °C

**Mechanical vibration** 200-2000 Hz, 0.3 m<sup>2</sup>/s<sup>3</sup>

**Unpacked Drop** 0.5 m on Concrete Surface

**Water and dust proofing** IP-55 standard

## Power

**External Power** Mains power supply adapter, 100-240 V AC at 50 -60 Hz

**Input Voltage** 12 volt DC

## Battery

**Battery Life** Up to 36 hours standby time  
1 hour of continuous transmission at the highest rate

**Battery Type** Lithium-Ion

**Battery Charge temperature** 0 °C to +40 °C

## Interfaces

**Connectors** Ethernet (RJ-45), USB

**User Interface** Web based graphical user interface accessible via standard web browser

**External antenna connector** GPS, Active & passive antenna

**WLAN connectivity**

IEEE 802.11b standard with:  
WEP encryption; SSID Broadcasting control; MAC address filtering DHCP

## Compatible Operating Systems

**Windows** 98SE, ME, NT 4.0, 2000, XP, Vista

**Macintosh** OS 10.1 or later

**Linux** Redhat 9

## Compatible Internet Browsers

**Microsoft Internet Explorer** 6.0 or later for Windows 5.0 or later for Mac

**Netscape Communicator** 7.0 or later

**Mozilla FireFox** 2.0 or later

**Safari** 1.2 on Mac

## Applications

**VOIP** Skype, MSN, Yahoo, AOL, Asterisk

**Video and Other applications** Streambox, Quicklink

**VPN systems** Cisco-VPN client V1 or V2.6.3  
Nortel-Contivity VPN Client V04\_15.06  
Netscreen-Remote Client 8.1  
Checkpoint-V4.1  
Sonic Wall

## Governmental Security Solutions (Encryption)

IP Encryptor Omnisec 421 for Mobile IP VPN  
Omnisec IP-based VPN Solution based on well proven Omnicrypt System  
Architecture for Remote Site IP VPN and Secure Videoconferencing Omnisec  
Secure Collaboration Solution for Secure Collaboration

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