



Thuraya Atlas IP+

The new wave in satellite broadband connectivity at sea.

This is Thuraya Atlas IP+

Connecting you in open waters and promising a care-free voyage is the Thuraya Atlas IP+, a full-featured maritime terminal that supports voice and broadband IP data, with speeds of up to 444kbps. Offering the best broadband speeds for an L-band maritime terminal of its size, the Atlas IP+ enables both small boats and large yachts to have secure broadband connectivity and fast data links to shore.

Offering built-in WiFi to the stabilized antenna, the Atlas IP+ is an expansive product that provides data connectivity for over 10 users, as well as flexible voice, calls through an analog phone connected through an RJ11 port. A built-in firewall means increased security and control for ship owners and captains to easily manage data traffic. Catering to your personal business, Atlas IP+ also offers several features that include tracking, position reporting, and geofencing features that are easily integrable with fleet management systems, so you can track the real-time locations of your ships and send alerts to your onshore crew.

Product Features



Optimal data speeds

Thuraya Atlas IP+ offers the best data speeds for an L-band maritime terminal of its size, enabling even smaller ships to have broadband connectivity while maximizing their above and below deck space usage.



Flexible voice calls

Through its RJ11 port, the terminal's BDU can be connected to any standard analog phone – including cordless models, allowing for simultaneous voice and data sessions. The voice calls run via the Thuraya VOIP services, lending a cost-effective service option.



Enhanced firewall capabilities

lending security to broadband communications by enabling ship owners or captains to control data traffic. The firewall allows load-intensive pages, such as video streaming or conferencing sites, as well as other undesirable domains, to be blocked, ensuring that the available bandwidth is used efficiently and cost-effectively.



Tracking and reporting

The terminal comes with SMS tracking, position reporting, and geo-fencing features, which can be integrated into a fleet management system to track the real-time location of vessels. Geo-fencing further allows automatic alerts to be sent to the at-shore crew, who can then prepare for the arrival of an approaching vessel. This function can be set to send IP- or SMS-based alerts for entering or leaving predetermined zones. Tracking is set by time duration between alerts or by the distance moved by the vessel.



Sail away, worry-free
with voice and data connectivity.



Easy vessel integration and management

With four RJ45 LAN ports (and 1 with PoE), Atlas IP+ is easy to integrate into any ship's network. Each port can be MAC address locked, which fortifies the system security. Additional

terminal features facilitate improved vessel management. These include port forwarding, Wi-Fi antenna, alert button, and circuit switch voice.

Product Specifications

Standard IP down/up (kbps)	444/404
Streaming IP up/down	16kbps, 32kbps, 64kbps, 128kbps, 256kbps or 384kbps (Asymmetric)
Simultaneous voice and data via built-in VoIP ATA	Yes
Circuit Switch Voice (Optional handset)	Yes
SMS	Max 160 characters
3 axis stabilized	Yes
Weight [deck mounting] (kg)	3.1
Height [deck mounting] (mm)	277
Diameter (mm)	319.5
G/T (dB/K)	-18.0
ERIP (dBW) average	15.0 to 17.8
Maximum BDU to ADU Cable length (m)	50m Max 25m std
Tx signal output level Min/Max (mV)	250/500
Voltage (V)	38 - 45
Current (A)	1.05
Power max/min (W)	40/20
Frequency (Hz)	DC
RJ 45 LAN port	4
GPIO port	12 pin
RS 232 serial port	1 for GPS O/P & Debug
SIM card holder	Yes
Primary analog phone port (RJ11)	Yes
Secondary circuit switched handset port (RJ45)	Yes

DC power connector	BDU	Yes
Ambient temperature (°C)	BDU ADU	Storage -40°C to +80°C Operational -25°C to +55°C -30 to 55
Vibration	BDU ADU	Operational Random vibration of 1.05g rms in each of three mutually perpendicular axes 5 to 20 Hz: 0.02g ² /Hz 20 to 150 Hz: -3dB/octave
Relative humidity	ADU	Up to 95% at 40°C
Electromagnetic emissions		IEC 60945, EN 301 489-1, EN 301 489-20
Electromagnetic immunity		EN 60950
RoHS		Yes
IEC 60945		Yes
CE		Yes
FCC		Yes
SMS		Yes
Circuit-switched voice		Yes
Distress alert		Yes
Firewall		Yes
Port forwarding		Yes
PS connection		Yes
Backup/restore of configuration settings		Yes
Restricted dialing		Yes
Geo-fencing		Yes
WiFi		Yes
Built-in GPS		Yes
Position reporting		Yes