cygnus

Marine

Thuraya Atlas IP+

The new wave in satellite broadband connectivity at sea.

This is Thuraya Atlas IP+

Connecting you in open waters and improving your operational efficiency 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 and large vessels 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. With tracking, position reporting, and geofencing features that are easily integrable with fleet management systems, you can track the real-time locations of vessels 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.
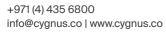
Tracking and reporting
The terminal comes with SMS tracking, position reporting, and geo-fencing features, which can be integrated into a fleet management system to track the real-time location of vessels. Geo-fencing further allows automatic alerts to be sent to the at-shore crew, who can then prepare 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.

High-speed connectivity
for the high seas.

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Product Specifications

Physical Characteristics	
Weight	1.4 kg (terminal and battery)
Size	216mm x 216mm x 45mm
Packet Data Services	
Streaming IP	384 kbps
Standard IP	444 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: -25°C to +80°C
Operating Humidity	95% RH at 40°C
Mechanical Vibration	200-2000 Hz, 0.3 m/s MIL-Spec 810B
Unpacked Drop	0.5 m on concrete surface
Ingress Protection	IP55 Standard
Compliances and Certifications	
	CE, EMC 301 444, 301 489, IEC 60950

Power	
External Power	Main power supply adapter, 100-240 V AC at 50-60 Hz
Output Voltage	19 volt DC, 3.4 amps
Battery	
Battery Life	Up to 36 hours stand by time
	1 hour of continuous transmission at the highest rate
Battery Type	Lithium-Ion
Interfaces	
Connectors	Ethernet (RJ-45)
User Interface	Web-based graphical user interface accessible via standard web browser.
External Antenna Connector	GPS and only one antenna connector
WLAN Connectivity	IEEE 802.11 b/g/n standard with:
	- WEP, WPA and WPA2 encryption
	- SSID broadcasting control
	- MAC address filtering
	- DHCP

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