

# THURAYA MBH

## COST-EFFECTIVE AND RESILIENT DATA ACCESS AT SEA

Thuraya MBH is a cost-effective, all-in-one L-band mobile satellite solution engineered to deliver uninterrupted communications at sea. With built-in GNSS capabilities (GPS, Galileo, BeiDou, and Glonass), it supports real-time tracking, geofencing, and distress alerts via the Traksat platform by IEC Telecom. Robust, easy to install, and operating over the reliable Thuraya satellite network, Thuraya MBH serves as an ideal primary communication channel for fishing vessels and workboats. It is also an efficient and stable back-up connectivity solution for LEO and VSAT set-ups.

### FEATURES



Comms-  
on-the-move



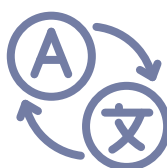
Reliable L-band  
solution



Third-party remote  
server integration



Built-in satellite  
modem with WiFi



Multi-language  
interface



Easy to install



# SPECIFICATIONS

## PHYSICAL CHARACTERISTICS

Weight:

- Terminal: 3.30 kg
- PoE Injector: 0.47 kg

Dimensions:

- Terminal: 301 x 181 mm
- PoE Injector: 115 x 90 x 30 mm

## DATA CAPABILITIES

Standard IP: Up to 300/100 kbps

## VIBRATION

2 ~ 13.2 ~ 100 Hz, 1mm, 0.7gn, 3-axis  
5~500Hz, 3-axis

## FREQUENCIES

Tx (MHz) 1626.5 - 1660.5  
Rx (MHz) 1525.0 - 1559.0

## SAFETY FEATURES

GNSS: GPS, Galileo, BeiDou, Glonass

## POWER

PoE Input Range: 12 – 36 VDC

Power Consumption:

- Standby: 16 W
- Transmit: 25 W

## ENVIRONMENTAL CONDITIONS

Temperature:

- Operational: -25°C to +55°C
- Storage: -40°C to +80°C

Humidity: 5 to 95 % RH at 40 °C

Water & Dust: IP67 & IP68

## LANGUAGES

EN, AR, FA, FR, DE, UR, HI, IT, PT, RU, ES, TR,  
CN, ID, TH, TL

## INTERFACES

Terminal:

- WiFi: 2.4GHz 802.11 b/g/n  
WPA/WPA2/WPA3
- Ethernet: PoE cable connection from  
PoE injector

• SIM: Nano

PoE Injector:

- DC Power Input
- Ethernet: PoE cable connection to  
Thuraya MBH; Data towards LAN

## IN THE BOX

Thuraya MBH Terminal

PoE Injector

5m DC Cable

Magnet Mount Kit

6m PoE Cable

# USE CASES

## FISHING

Enable real-time tracking and geofencing via the Traksat platform by IEC Telecom for efficient and sustainable fishing expeditions. Benefit from an affordable and easy-to-set-up terminal for quick connectivity at sea.

## WORKBOATS

Boost operational efficiency by keeping your workboat connected at all times via a resilient L-band channel and exchange timely communications through preferred messengers (voice and text) and email. Enhance fleet management with IEC Telecom's tracking solutions.

## BACK-UP SOLUTION

Benefit from uninterrupted connectivity at sea with a dependable back-up satcom solution for your primary communications link. Maintain visibility over the entire fleet and ensure crew safety with built-in GNSS capabilities.

