THURAYA

SPACE 42

THURAYA MBH

The Thuraya Mobile Broadband Hotspot delivers resilient satellite communications on the move, at an unbeatable value.

Thuraya MBH is an all-in-one, affordable, L-band mobile satellite solution, purpose-built to provide resilient connectivity for mission-critical operations on land and at sea.

Designed for rapid, multi-purpose and simple deployments, it ensures continuous data communication in remote, challenging, or infrastructure-deficient environments, offering a streamlined alternative to conventional satellite systems without the high cost and complexity.

Thuraya MBH addresses key challenges in mobile satellite communications by:

- Providing an affordable, resilient solution for primary or backup connectivity
- Eliminating the need for environment-specific satellite systems across land and sea
- Enhancing reliability in mission-critical operations
- Simplifying emergency and field deployments with minimal setup
- Replacing outdated systems and ensuring seamless integration with connected devices
- Supporting multi-language interfaces to deliver a more personalized user experience.

Civil Government, Transportation, NGOs, Onshore Energy

Fisheries, Offshore Energy, Commercial Shipping, Passenger Vessels

thuraya.com

THURAYA MBH

Dependable satellite communications wherever you go with industry-leading value

Terminal features

- Data service: Standard IP – Up to 300/100kbps (Download/Upload)
- Built-in satellite modem with Wi-Fi
- Tracking and geofencing functionality*
- Distress alert reporting*
- Remote programming capabilities*
- Quick and easy to install and setup

Specifications

Dimensions

Terminal:	301 × 181 mm (Ø X H)
PoE Injector:	115 X 90 X 30 mm (L X W X H)

Weight

Terminal:	3.30kg
PoE Injector:	0.47kg

Data Capabilities

Standard IP	Up to 300/100 kbps

Vibration

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

Frequency Range

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

GNSS

GPS, Galileo, Beidou, Glonass

Languages

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

Approvals

CE, UKCA, RoHS, REACH, ITU GMPCS-MoU, Thuraya certified

Terminal environmental conditions

Temperature

Operational (ambient):	-25°C to +55°C
Storage:	-40°C to +80°C
Operating humidity	5 to 95 % RH at 40 °C
Water and dust	IP67 & IP68

Power

PoE input range	12 - 36 VDC
Standby / Transmit	16 W / 25 W

Interfaces

MBH terminal

Wi-Fi:	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

Packages

Main package

- Thuraya MBH
- PoE injector
- DC cable (5m)

Land pack accessory

- Magnet mount kit
- PoE cable (6m)

Maritime pack accessory

- Pole mount kit
- PoE cable (25m)

*This functionality is fully enabled through 3rd party remote server integrations.

For inquiries, kindly contact:
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