

THURAYA MBH

SATELLITE COMMUNICATIONS ON-THE-MOVE

Stay connected wherever your mission takes you. Thuraya MBH (Mobile Broadband Hotspot) is a cost-effective, all-in-one L-band mobile satellite solution designed to deliver uninterrupted communications on the move. Engineered for mission-critical operations, this advanced terminal provides reliable connectivity in areas with little to no terrestrial coverage. Seamlessly integrating with connected devices, Thuraya MBH ensures a stable back-up communication link and supports emergency response needs. With built-in GNSS capabilities (GPS, Galileo, BeiDou, and Glonass), it also enables real-time tracking, geofencing, and distress alerts via the Traksat platform by IEC Telecom. Robust, easy to install, and powered by the trusted Thuraya satellite network, Thuraya MBH is ideal for civil government, humanitarian missions, and the onshore energy sector.

FEATURES



Comms-
on-the-move



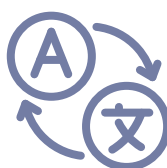
Reliable
L-band solution



Third-party
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

CIVIL GOVERNMENT

Benefit from a dependable back-up for mobile public services such as advisory centres, clinics, and schools. Maintain visibility over remote operations with live tracking and timely reporting.

HUMANITARIAN

Safeguard mission safety and enable real-time coordination. Connected via WiFi, remote members can stay updated through group chats, send emails, and receive distress alerts from the command centre.

REMOTE ENTERPRISE

Access a wide range of value-added services via MBH, supported by IEC Telecom's portfolio of optimised applications, including videoconferencing, telemedicine, remote surveillance, and more — all designed to perform reliably in low-bandwidth environments.

