

THURAYA 

Thuraya Telecommunications Company

FT2225 Terminal

Thuraya M2M

FT2225 FAQs

1. What M2M Services does Thuraya offer?

Thuraya offers three tiers of M2M services

- **Low Data Rate (LDR) M2M:** Messaging based service for basic M2M applications such as asset tracking and location tracking
- **Medium Data Rate (MDR) M2M:** Offering IP connectivity, low latency and high security for real time monitoring applications requiring IP connectivity
- **High Data Rate (HDR) M2M:** Utilizing Satellite IP connectivity for high volume high throughput applications.

2. What is the FT2225?

The FT2225 is an MDR M2M (Machine to Machine) device for fixed applications in areas where terrestrial coverage is not available or inadequate.

3. What type of antenna is required with FT2225 terminal?

The FT2225 terminal does not require any external antenna. The terminal unit includes a dual polarization L-band antenna as well as GPS and Glonass GNSS antennas.

4. What type of network coverage will I get by using it?

The Thuraya coverage footprint covers more than two-thirds of the globe across 161 countries in Asia, Africa, Australia, Europe and Middle East and the MDR M2M service is also available in North America.

5. What applications can the FT2225 support?

The FT2225 enables fixed M2M applications that require real-time, low latency, secure IP connectivity.

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6. What level of security does the MDR M2M network and the FT2225 terminal provide?

The network is secured end to end with AES 256 encryption.

7. What does the FT2225 package include?

The package contains the FT2225 terminal, the multi-pin connector assembly and the quick start guide. Systems integrators can use the multi-pin assembly to integrate the necessary Ethernet cable with the appropriate length for the application they are working on.

8. How can I install the FT2225 terminal in the field?

Each deployment has its own unique requirements and methods of installation. For example, the FT2225 can be installed with a pole mount or a surface mount. Please refer to the user guide for some examples and guidance on how to install and point the terminal. The user guide refers to some smart phone applications that can help you point the terminal towards the satellite. There is also a user interface that can be accessed to configure, test and troubleshoot the terminal by connecting it to a laptop using an Ethernet cable. We can also provide you with a pole mount design if you need it.

9. What other accessories are needed with the FT2225 terminal?

For field installation and testing purposes you can use a power over Ethernet splitter to inject power into the terminal as well as enable wired LAN networking.

10. What interfaces does the FT2225 support?

The FT2225 terminal has a single cable interface through the circular multi-pin connector enabling Ethernet connectivity. The FT2225 terminal also enables Wi-Fi connectivity. The FT2225 terminal can also be adapted to support other interfaces such as RS232 and RS485 via external adapters.

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11. Will the FT2225 be upgraded automatically if there is a new version?

Yes, the FT2225 supports over the air (OTA) upgrade capability and will reconnect automatically to the network once an upgrade is completed.

12. What is ViaSat's role in offering the service?

ViaSat is the provider of the VMS (ViaSat Managed Services) Gateway FT2225 terminal.

13. Where is the M2M VMS Gateway located?

The VMS gateway is located in the Thuraya Primary Gateway in Sharjah UAE.

14. Is satellite M2M expensive? How much does the service cost?

No. Satellite M2M is not expensive, and Thuraya provides great value for money. Thuraya offers multiple options for Satellite M2M connectivity as well as dual mode options (Satellite/ GSM). Thuraya has created these service to address multiple sectors and applications based on the needs of the users keeping in mind cost efficiency and reliability as key factors for successful M2M projects. Please refer to the “where to buy?” page to contact the closest Thuraya Service partner for pricing and detailed information about the product.