

THURAYA FT2225 M2M



Real-time, secure, two-way
communications for your M2M
applications

REAL-TIME, SECURED, TWO-WAY COMMUNICATIONS

REAL-TIME
MONITORING,
MANAGEMENT
AND CONTROL
REMOTE ASSETS AND
OPERATIONS

RUGGED TERMINAL BUILT TO WITHSTAND HARSH WEATHER CONDITIONS

GPS & GLONASS EMBEDDED

IP-BASED NETWORKING

LOW LATENCY FOR INSTANT MESSAGE TRANSFER AND REAL- TIME MONITORING WITH NO DELAYS

AES 256 ENCRYPTION

EASY TO DEPLOY SIMPLE & TIME EFFICIENT

LOW TOTAL COST OF OWNERSHIP WITH BANDWIDTH EFFICIENT NETWORKING

NO MINIMUM BILLING INCREMENT

Learn more on
iec-telecom.com



EFFECTIVE AND RELIABLE CONNECTIVITY RESILIENT TO HARSH WEATHER CONDITIONS

The new Thuraya FT2225 is a rugged M2M terminal built to withstand harsh weather conditions in remote unmanned areas.

The Thuraya M2M service is powered by the VMS technology developed in partnership with Viasat Inc. to provide reliable L-band connectivity, and produce dependable performance.

The Thuraya FT2225 is based on an efficient bandwidth utilization, low latency IP networking and AES256 encryption to enable secure, real-time remote monitoring and communications.

This terminal has built-in GPS and GLONASS capability which enables highest accuracy and security in all regions. With Ethernet and Wi-Fi interface options, integration into M2M applications is very simple.

KEY FEATURES

- **Dimensions:** 178 x 130 x 42 mm
- **Weight:** < 900g

SATELLITE COMMUNICATIONS

- **Narrowband IP:** UDP and TCP/IP supported
- **Frequency Band**
TX 1626.5 to 1675.0 MHz
RX 1518.0 to 1559.0 MHz
Typical latency <2 sec 100 bytes
- **Transmission Security:** Link encryption AES-256

INTERFACES

GNSS: GPS + GLONASS

EXTERNAL INTERFACES

Power: 10 to 32 VDC, via multi-pin connector, short circuit and surge protection
Wi-Fi: IEEE 802.11 B/G, 2.4 GHz
External interfaces: Ethernet, Serial, CAN Bus, Modbus and USB 2.0 Via multi-pin connector

ENVIRONMENTAL

Temperature

- **Operational:** -40° to +71° C
- **Transport:** -40° to +85° C
- **Storage:** -40° to +85° C
- **Solar Radiation:** 1120 W/m² p per IEC-60068-2-5
- **Relative Humidity:** Up to 100% condensing at 45° C, per IEC 60068-2-30
- **Ingress Protection:** IP66
- **Wind Speeds:** Up to 200 km/hr
- **Air Pressure Transport:** 4500 m AMSL

Vibration

- **Operational:**
Random vibration of 1.05 g rms in each of three mutually perpendicular axes
5 to 20 Hz 0.02 g²/Hz Vibration
20 to 150 Hz -3 dB/octave Vibration
- **Survival:** Transportation vibrate per IEC 60068-2-64
Frequency 5 to 200 Hz
ASD 1.0 m²/s³

Shock

- **Operational:** IEC 60068-2-64, 50 m/s², 11 ms
- **Survival:** Transportation shock per IEC 60068-2-29, A = 180 m/s², t = 6 ms

CERTIFICATIONS: CE, FCC, RMC, RoHS, REACH, WEEE



THURAYA