

## TT-3026L/M easyTrack



Features	Description	
■ Integrated Inmarsat-C/GPS System	The TT-3026L/M easyTrack system is the 4 <sup>th</sup> generation Inmarsat-C system from Thrane & Thrane A/S.	The Input/Output control ports of easyTrack can easily be connected to remote sensors, relays or switches. All input and output ports can be controlled from the Capsat <sup>®</sup> Manager 3.5.
■ Extremely low power consumption	easyTrack offers global data communication via the Inmarsat-C Satellite Network, and supports all Inmarsat-C services including E-mail, position reporting & polling, fax, telex, x.25 and mobile to mobile.	easyTrack features an advanced Sleep Mode function, which will reduce the typical total power consumption to between 11 mW and 288 mW depending on the reporting interval.
■ Ideal for Tracking, SCADA and E-mail applications	The extremely compact design and power conserving features of easyTrack, makes it very attractive for use in AVL, VMS, SCADA and E-mail applications. It ensures fast and reliable transfer of vital information, i.e. position reporting, data monitoring, messaging, loading and unloading information, route planning, etc.	Whether the application is global Tracking, SCADA or Internet E-mail, easyTrack will be the ultimate choice.
■ Input/Output control ports accessible from remote applications, e.g. Capsat <sup>®</sup> Manager 3.5		
■ Built-In advanced Sleep Mode functionality.		
■ Built-In Vehicle/Vessel Monitoring Software		
■ Approved for Land Mobile and Maritime applications.		

## Specifications

### General Specifications:

Meets or exceeds current and proposed INMARSAT specifications for mini-C Land Mobile Earth Station and mini-C Ship Earth Station.

### Internal Antenna:

Inmarsat-C/GPS omnidirectional antenna. RHC polarized. G/T - 23.7 dB/K & EIRP 7 dBW at 5° elevation. Coverage +90° - -15°.

### Operating Frequencies:

Receive 1525.0 - 1545.0 MHz, Transmit 1626.5 - 1646.5 MHz. GPS 1575.42 MHz.

### Channel Spacing:

2.5 / 5 kHz.

### Modulation:

600 and 1200 symbols/s. BPSK.

### Data Rate:

Tx 300 and 600 bit/s, Rx 600bit/s.

### Terminal Interface:

RS-232 w. hardware flow control. 4800 - 115000 Baud. VT-100 mode.

### I/O Port:

6 user configurable 3.3 V I/O's (5 V tolerant). Each open collector output sink 25 mA, 1 pin reserved for Land Mobile Alert configuration.

### Message Storage Capacity:

175 kB SRAM.

### Internal GPS:

12- Channels. 1 sec update rate. 15 m RMS accuracy.

### Power Source:

10.5 - 32 V floating DC

### Power Consumption:

RX 1.8W / TX 23 W (12V DC supply)

### Power Output:

3.3V DC /100mA, output for terminal equipment

### Sleep Mode:

Power supply 12VDC, timer and event programmable modes, reporting interval vs typical total power consumption:

15 minutes / 288 mW

30 minutes / 148 mW,

1 hour / 78 mW,

2 hour / 43 mW,

5 hour / 25 mW,

10 hour / 16 mW,

24 hour / 11 mW.

### Ambient Temperature:

-35°C to 55°C operating -40°C to 80°C storage.

### Solar Radiation:

Maximum flux density: 1200W/m2.

### Rain:

100mm/hour, droplet size 0.5 to 4.5mm, wind speed as below.

### Wind:

Relative wind up to 200km/hr (124mph).

### Velocity:

Max velocity up to 140km/hr (87mph).

### Vibration Operational:

Random 5-20Hz 0.005g2/Hz, 20 - 150 Hz -3dB/oct.( 0.5g rms).

### Shock:

Survival half sine 20g/11ms.

### Mounting Options:

Standard 1" tube, or 3 bolts on flat surface with 30mm (1,2") hole for cable.

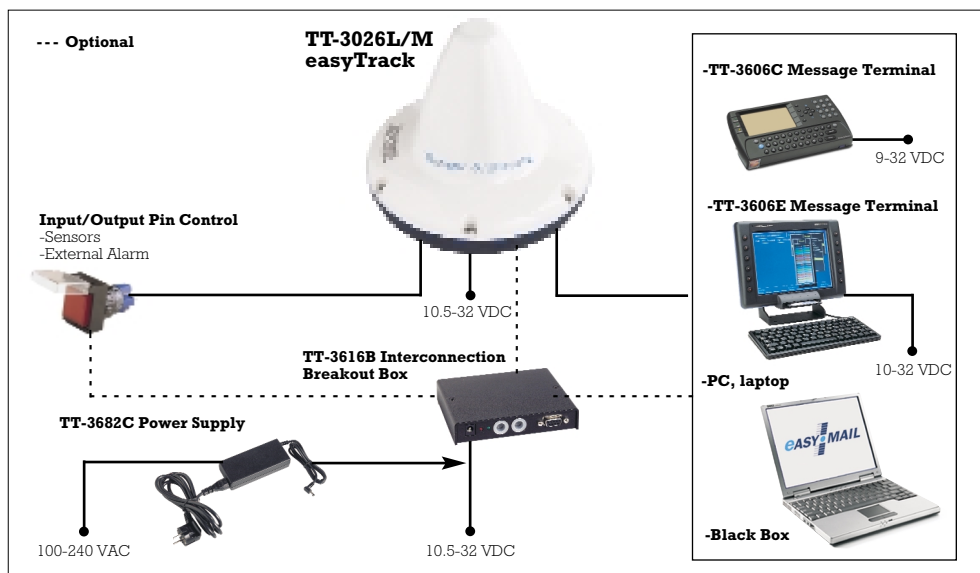
### Dimension:

Ø: 163mm, H: 146.2 (Ø: 6,4", H: 5,8")

### Weight:

1.1 Kg (2,4 lb)

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