

SYRUS 2G TRAILER TRACKER

PART NUMBER
STT-4313

The Syrus TT is a rechargeable battery operated asset 2G/GPRS tracking product designed for advance tracking functionalities and remote monitoring of high value mobile assets. Together with multicarrier global connectivity m2mCloudConnect and Pegasus Gateway – web application- is the ideal solution for managing assets that need to be deployed for long periods without external power supply.



Water Resistant: Ruggedized IP67 polycarbonate sealed enclosure

Metal Tamper Detection: Immediate device removal notificacions capability

Prolonged Battery Operation: Rechargeable battery for long periods of self-powered operation

API Interaction: Hundreds of parameters available for interaction

Global Multi-Carrier Connectivity: Wireless connectivity without boundaries

Built-in Remote Diagnostics: Remote management & performance monitoring

KEY FEATURES

- Standalone self-powered tracking device with superior GPS performance.
- Ruggedized IP67 polycarbonate sealed enclosure.
- High performance Li-Ion Rechargeable battery with advance power management capabilities.
- Metal tamper detection for immediate device removal notifications.
- Built-in 3-axis accelerometer sensor for high resolution reporting.
- Global SIM card with multi carrier preferences through m2mCloudConnect division.
- Configure up to 150 geofences.
- Totally configurable over-the-web using Pegasus Gateway application with custom script reporting configurations.
- Remote management diagnostics performance and firmware over the air capabilities.
- Automatic battery status notifications.

REPORTING FREQUENCY	ESTIMATED BATTERY OPERATION TIME*	
	TT W/ SYRUS 2	TT W/ SYRUS 3
1 hour	133 days	188 days
6 hours	231 days	637 days
12 hours	249 days	837 days
24 hours	259 days	992 days

*APPROXIMATE VALUES

TECHNICAL SPECIFICATIONS

PHYSICAL

Unit Dimensions (inches)	2.59 x 3.07 x 11.36
Weight	TBD
Material	Glass Filled Polycarbonate 94V-0 rated material
Water-resistant casing	IP-67 sealed

ENVIRONMENTAL

Operating Temperature	-20°C to 60°C
Storage Temperature	-30°C to 85°C
Operating Humidity	Up to 95% non-condensing

BACKUP BATTERY SPECS

Capacity	39 Ah
Operating Voltage	3.7V
Technology	Li-Ion
Weight	750g
Protection	Internal PCM Circuit
Temperature Ranges	Charge: 0°C to 45°C Discharge: -20°C to 60°C

CELLULAR MODEM SPECIFICATIONS

GSM/GPRS Quad Band	850/900/1800/1900 MHz
Data transmission	GPRS Class 12 & Class 10 Max. 86 kbps (DL and UL) Coding schemes CS 1-4
Output Power	Class 4 (+33dBm ±2dB) for EGSM850 Class 4 (+33dBm ±2dB) for EGSM900 Class 1 (+30dBm ±2dB) for GSM1800 Class 1 (+30dBm ±2dB) for GSM1900
Messages	Over SMS and GPRS

ELECTRICAL

Operating Voltage	3.7V Internal Li-Ion battery
Power Consumption	
Long Term Average	40mA
Sleep Mode Average	5mA

GPS SPECS

GPS Solution	MTK MT3329
Frequency	L1, 1575.42 MHz
Sensitivity Acquisition	-148dBm, cold start
Reacquisition	-165dBm
Tracking	66
Channels	1 second typical
TTF Hot start	33 seconds typical
Cold start	35 seconds typical
Altitude maximum	18,000m (60,000 feet)
Velocity maximum	515m/s (1000 knots)
Acceleration maximum	+/- 4G
Update rate	1Hz (default), maximum 10Hz
DGPS	RTCM protocol / SBAS (default) [WAAS, EGNOS, MSAS, GAGAN]
AGPS	Support

MOUNTING

Screw Mount	Yes
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ADDITIONAL CHARACTERISTICS

Internal Accelerometer	+6G
Transmission Buffer	7,200 buffered messages

TECHNICAL DRAWINGS

