SYRUS TRAILER TRACKER DATASHEET



PART NUMBER STT-4313

SYRUS 2G TRAILER TRACKER

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

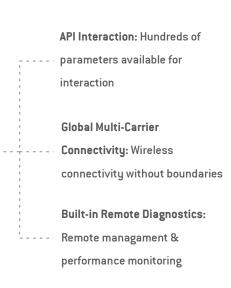
Metal Tamper Detection: Immediate device removal

Prolonged Battery Operation: Rechargeable battery for long

KEY FEATURES

- Standalone self-powered tracking device with superior GPS performance.
- Ruggedized IP67 polycarbonate sealed enclosure.
- High performance Li-lon 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.

17



- 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 BATTER TT W/ SYRUS 2	
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

www.digitalcomtech.com



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 Humiditu	Up to 95% non-condensing

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

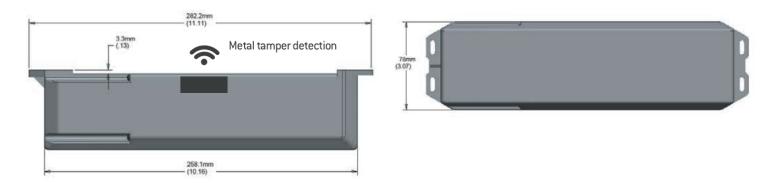
CELULLAR N	MODEM	SPECIFICATIONS	
------------	-------	----------------	--

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 \pm 2dB) for EGSM850
	Class 4 (+33dBm \pm 2dB) for EGSM900
	Class 1 (+30dBm \pm 2dB) for GSM1800
	Class 1 (+30dBm \pm 2dB) for GSM1900
Messages	Over SMS and GPRS

ELEU	CTRICAL
Operating Voltage	3.7V Internal Li-lon battery
Power Consumption	
Long Term Average	40mA
Sleep Mode Average	5mA
G P S	SPECS
GPS Solution	MTK MT3329
Frequency	L1, 1575.42 MHz
Sensitivity Acquisition	-148dBm, cold start
Reacquisition	-165dBm
Tracking	66
Channels	1 second typical
TTFF 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 (defult)
	[WAAS, EGNOS,MSAS,GAGAN]
AGPS	Support
M 0	UNTING
Screw Mount	Yes

ADDITIONAL	CHARACTERISTICS
Internal Accelerometer	+-6G
Transmission Buffer	7.200 buffered messages

TECHNICAL DRAWINGS



www.digitalcomtech.com