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TT603 Solar-Powered Asset Tracker with Cat-M/NB-IoT

What is an Asset Tracker?

An asset tracker provides **real-time asset / container tracking** with **data logging, GPS location, and data communication.**
Fleet managers have **complete transparency** of **location**, **speed** and **battery level** percentage. Rules, such as a low battery rule, can be set to send a notification to the fleet manager.
Future capabilities include - tractor power detection, temperature monitoring, door sensors, and tire pressure monitoring.

➤ ### Simple installation and troubleshooting

Install with 4 rivets, screws or bolts and turn it on and your device is already connected and sending data.

➤ ### Dynamic Tracking

1 GPS fix per minute when in motion. You don't just know where your assets were, but where they are.

➤ ### Rugged Design

IP67- international standard for protection against intrusion of solids, dust, contact and water. (5-7 year life)
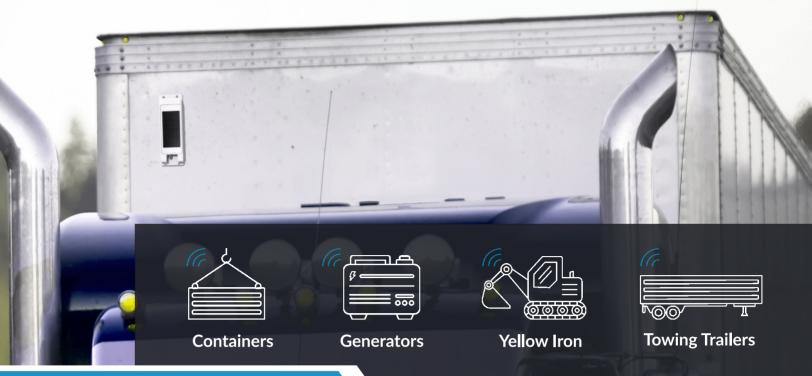
➤ ### Self-sustaining solar power

Solar cell and large backup battery designed for the real world like rainy seasons, freezing temperatures and blazing hot days.

➤ ### LTE Cat M/NB-IoT with 2G Fallback

➤ ### Expandable

Optional RS232/CAN connector allows future capabilities such as:
tractor power detection,
temperature monitoring,
door sensor, tire pressure
monitoring, and more.

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Containers Generators Yellow Iron Towing Trailers

TT603 Specs

Applications

Dimensions	10.31" x 3.46" x 1.18" (262mm x 88mm x 30mm)
Weight	1.19lb (0.54kg)
Location	GPS (multi-constellation) Assisted acquisition: 2s (via cloud) Acquisition Sensitivity: -160dBm (1*) Tracking Sensitivity: -167dBm (2*)
Events	Moving Stopped
Internal Sensors	9-axis IMU Battery level
Sensor Sampling Interval	Dynamic based on motion and power Up to every 1 min when moving
Reporting Interval	Dynamic based on motion and power Up to every 10 min when moving
Battery life	>3000 daily cycles >4 months without charging @ 12 report / day (3*)
Global Cellular Connectivity	4G (Cat M/NB-IoT) Global Bands 2G: 850,900,1800,1900 SIM: 2FF (inserted prior to IP testing)
Operating Temperature	-20˚C to 70˚C (4*)
Housing	Industrial grade Polycarbonate (PC) Crush Resistance IP67

Security	Secure boot TLS/SSL
Connector	Aux power in (6-24VDC) and tractor power detection *1-Wire* technology (5*) RS-232 CAN H/L 1.2W power out @>-30˚C
Solar Charging	1.5W
Certifications	FCC IC CE PTCRB RCM And applicable carriers

Environmental	RoHS
	Reach
	SAEJ1455
	  - Thermal Shock (6*)
	  - Humidity (7*)
	  - Mechanical Vibration
	  - Mechanical Shock (Handling, Transit, Installation Harness)
	  - Steady State Electrical (12V Systems, 24V Systems)
	  - Conducted Transients
	  - Electrostatic Discharge
	ISO16750
	  - Mechanical Shock
	  - Salt Spray (corrosion test)

(1) (2*) Based on GPS chipset specification.*
(3) Battery life assumes the product is installed according to the provided installation instructions. Four months is based on stationary device using LTE Cat M network in open sky conditions; batteries degrade over time as a function of age and temperature.*
(4) Extreme application temperature range of -40˚C to 70˚C available by special order.*
(5) 1-Wire is a registered trademark of Maxim Integrated Products, Inc.*
(6) (7*) Inside operating temperature range.*

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