



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

What is an Asset Tracker?

An asset tracker provides **real-time** tracking with **GPS location** and **data logging** and **communications**.

Fleet and operations managers have **complete transparency** of **location**, **speed** and remaining **battery levels**. Rules, such as a low battery alert, can be set to send notifications to key personnel.

Additional capabilities include door sensors, temperature monitoring, and tractor power detection.

▶ **Simple installation and troubleshooting**

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

▶ **Dynamic Tracking**

1 GPS fix per minute and data upload every 10 minutes when in motion.

▶ **Rugged Design**

IP67- international standard for protection against intrusion of solids, dust, contact and water. (5-7 year life)

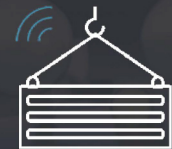
▶ **Self-sustaining solar power**

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**

Connector allows capabilities such as: tractor/asset power detection, temperature monitoring and door sensor.



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	6-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 reports / 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

Solar Charging	1.5W
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
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.