



**PUI**  
Positioning Universal

# AT1000MW

WIRED  
ASSET  
TRACKER

The **AT1000MW** is a wired, asset tracking solution built to withstand harsh environmental conditions, including dust, humidity and water intrusion. Able to transmit GPS location, data logging information and data communication, the **AT1000MW** gives fleet managers a complete view of their mobile assets 24/7.

## KEY FEATURES

- Compact form factor with simple 9-wire interface
- LTE Cat. M cellular connectivity with 2G fallback
- 6.2Ah battery retains data with external power off for extended periods
- 6-axis IMU for accurate detection of motion, vibrations and impacts
- Multiple CAN protocols including ISO 15765-2, J1939 and CAN 2.0
- Rugged IP67 design

## MARKET APPLICATIONS

- **Asset tracking**
- **Fleet Management and Maintenance**
- **Insurance Telematics**
- **Golf Carts, Service Vans and Trucks**



## SPECIFICATIONS

### CASE

<b>DIMENSIONS</b>	154mm x 73mm x 41mm
<b>WEIGHT</b>	300g
<b>HOUSING</b>	Industrial grade polycarbonate (PC) Ingress protection (IP): 67

### LOCATION

GNSS (multi-constellation)  
Assisted acquisition: 2s (via cloud)  
Acquisition sensitivity: -160dBm (1\*)  
Tracking sensitivity: -167dBm (2\*)

### ENVIRONMENT

<b>OPERATING TEMP</b>	Powered: -40°C to 70°C
<b>SHOCK AND VIBRATION</b>	RoHS, Reach, SAEJ1455 [thermal shock (3*), humidity (4*), mechanical vibrations, mechanical shock, electrostatic discharge]

### POWER

<b>POWER INPUT</b>	12/24/48VDC
<b>BATTERY</b>	6.2Ah

### SENSORS

<b>INTERNAL SENSORS</b>	6-axis IMU, system temperature, battery level
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### CERTIFICATIONS

FCC, IC, UL, PTCRB, RCM

### GLOBAL CELLULAR CONNECTIVITY

CAT M1 2G	FDD B1/2/3/4/5/8/12/13/18/19/20/26/28; TDD B39 GSM 850/900/1800/1900
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### INTERNAL ANTENNAS

Cellular, GPS, Bluetooth

### USER INTERFACE

Multicolored LED

### LOCAL AREA CONNECTIVITY

BLE 5.0

### SECURITY

Secure boot, TLS/SSL

### EXTERNAL CONNECTORS

9-pin for external power and inputs/outputs:

- 1x Ignition sense input
- 1x CAN input
- 1x Power
- 1x Ground
- 2x Digital inputs
- 1x Digital output
- 1x 1-Wire Technology (5\*)

(1\*)(2\*) Based on GPS chipset specification  
(3\*)(4\*) Inside operating temperature range  
(5\*) 1-Wire is a registered trademark of Maxim Integrated Products, Inc.

Specifications are subject to change. Please see your Positioning Universal contact for more details.