

Rugged, accurate, and long-lasting asset tracking

The Postrack pTag1 is designed to deliver precise asset positioning, even in the harshest environments. With a proven 15-year track record and now upgraded with 4G connectivity, the pTag 1 provides top-tier GPS accuracy, durability, and reliable performance for industries that demand robust tracking solutions.

pTag1 is the ultimate tracking solution for industries that require high accuracy, durability, and long-lasting battery performance. Whether managing assets in extreme environments or needing reliable tracking over long periods, the pTag 1 delivers precision and peace of mind for your operations.

KEY FEATURES AND BENEFITS

Unmatched Accuracy and Connectivity

< 2m GPS accuracy enables pinpoint asset locations with superior precision using GPS, GLONASS, BDS, Galileo, QZSS, and SBAS satellite systems.

Enjoy fast and reliable global tracking with multi-region LTE NB-IoT, LTE-M, and EGPRS support.

Extreme Durability

The pTag 1 is built to last, with an IP69K waterproof rating and the ability to operate from -60 to +80°C, ensuring reliable performance in extreme conditions.

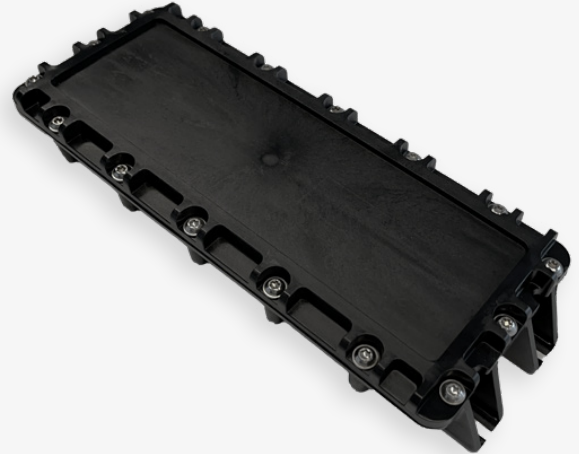
Long Battery Life

Powered by a high-capacity 76Ah Lithium Thionyl Chloride battery, the pTag 1 can operate for up to a decade without requiring battery replacements, significantly reducing maintenance costs.

Battery Monitoring and Motion Detection

Real-time battery life monitoring ensures you stay informed and can take action before any power loss.

The device automatically detects movement, allowing for real-time reporting of asset movement and stops.



PTAG1 HARDWARE FEATURES

- <2 m GPS accuracy and 4G connectivity.
- Long battery life. Up to 10 years.
- Very rugged design. IP69: waterproof and operates from -60 to +80 °C.
- Battery life monitoring.
- Motion detection.

Technical specifications

PHYSICAL CHARACTERISTICS

Dimensions: 103 mm (W) x 47 mm (H) x 280 mm (L)

Weight: 1070g

Material: PA66 Luvocom, highly durable casing

Mounting: Suitable for all material types, excluding metal boxes or explosive areas

BATTERY

Type: Lithium Thionyl Chloride, 3.6V, 76Ah

GSM/GNSS COMMUNICATION

GSM: Multi-region LTE NB-IoT, LTE-M, and EGPRS

GSM Antenna: Internal

SIM: Micro SIM, eSIM

2G Frequency: GPRS: B2/B3/B5/B8

CatM1 Frequency: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B27/B28/B66/B85

NB-IoT Frequency: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B28/B66/B85

SATELLITE COMMUNICATION

Supported Systems: GPS, GLONASS, BDS, Galileo, QZSS, and SBAS

GNSS Antenna: Passive ceramic patch antenna

TTFF (Time to First Fix): 1-sec warm start, 32-sec cold start

GNSS Accuracy: < 2 meters

Reacquisition Sensitivity: -160 dBm

Tracking Sensitivity: -162 dBm

ENVIRONMENTAL CONDITIONS

Operating Temperature: -60 to +80°C

Storage Temperature: -40 to +85°C

Ingress Protection: IP69K and IP68 for extreme durability

Altitude: Up to 2 000 meters

CERTIFICATIONS AND TESTING

CE Approvals: Fully compliant with the latest EU safety and electromagnetic compatibility directives.

Environmental Testing: High and low-temperature resistance, salt spray, thermal shock, UV protection, vibration, and drop tests.

DON'T MISS THE OPPORTUNITY

Book a meeting with a Postrack expert today, and we'll help you try Postrack risk-free.

Visit postrackeurope.com today!