

THE

ATO

**THE WORLD'S SMALLEST
INDUSTRIAL GRADE
GPS TRACKING DEVICE**



ATO: COMPACT ASSET TRACKER - DURABLE. VERSATILE. WORLDWIDE.

Satellite-based GPS equipment tracking has been around for years, but for many equipment types, previous hardware options were too big or expensive. With its compact size and tough build, the ATO is ideal for all types of field equipment and shipping containers. The device, paired with IOTTAG Track and Trace web-based software, helps minimize lost revenue, recover lost and misplaced equipment, reduce underutilized equipment, verify billing, and efficiently retrieve and manage inventory.

TRACK AND TRACE



CONTAINERS



RAIL CARS



ROLL-OFFS



TRAILER CHASSIS



TRAILERS



CARGO UNITS



BULK CONTAINERS



WASTE DISPOSAL BINS

AND MORE...

DURABLE

- › World's smallest industrial-grade GPS satellite tracker
- › Long battery life
- › Optional mounting bezel for added protection and ease of install
- › Hermetically-sealed construction for high reliability

VERSATILE

- › Requires no user based maintenance
- › Allows for placement in almost any orientation on an asset
- › Designed to fit on small, remote assets
- › Multiple reporting modes available
- › Fast slap and track deployment
- › Unique QR coding for mobile scanning of product information

WORLDWIDE

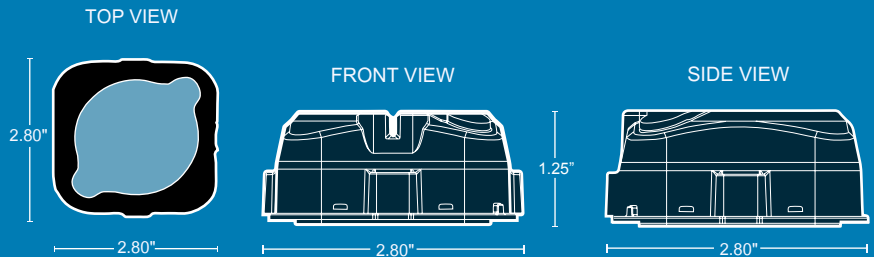
- › 100% satellite-based communications for visibility in remote locations
- › Worldwide communication without complex data roaming agreements
- › Fast deployment anywhere with no additional infrastructure

PHYSICAL

Dimensions: **2.80" L x 2.80" W x 1.25" H**
(71mm x 71mm x 32mm)
Weight: **0.44 lbs (0.20 kilograms)**

With Optional Metal Mounting Bezel:

Dimensions: **4.65" L x 3.37" W x 1.32" H**
(188mm x 86mm x 34mm)
Weight: **1.80 lbs (0.82 kilograms)**



REPORTING MODES & OPTIONS

Scheduled / Interval Reporting

Time Interval Based Reporting

GPS Based Motion Reporting

DEVICE ID/INTERFACES

1D Bar Code - Unique ESN ID



QR Code - Unique ID, Device URL

Bluetooth Beacon ID for Mobile Field Tools



ENVIRONMENTAL STANDARDS

Operating Temperature: **-40°F to 185°F (-40°C to 85°C)**

Storage Temperature: **90°F (32°C) MAX for best results**

Ingress Protection: **IP68 per IEC 60529 to 160ft (50 meters) / IP69K per DIN 40050-9**

Immersion: **MIL-STD-810G: 512.5 to 160ft (50 meters)**

Salt Fog Exposure: **MIL-STD-810G: 509.5, to 1000 hours**

Acidic Atmosphere Exposure: **ASTM D543-95, MIL-STD-810G: 518.2**

Operational Vibration: **MIL-STD-810G: 514.7, to 7.5 Grms Random (5Hz – 2000Hz)**

Mechanical Shock: **MIL-STD-810G: 516.7 to 300Gpk**

Reliability: **IPC9592a**

RoHS2/WEED

Additional qualifications apply but are not listed

CERTIFICATIONS

FCC: **Part 15, Part 25**

Industry Canada (IC): **RSS-210, 247, ICES-003 Class B**

EU: **R&TTE Directive 1999/5/EC**

Brazil: **ANATEL Resolucao N° 506 e Resolucao N° 442**

Australia/New Zealand: **RCM - CISPR22**

Mexico: **IFITEL, NOM121**

CB Ordinary Locations Classification: **IEC/EN 60950-1, EIC/EN**

60950-22, CAN / CSA C22.2 N° 60950-1-03, N°. 60950-22-03

OSHA Ordinary Locations Safety: **ANSI / UL 60950-1, 60950-22**

SATELLITE NETWORK



Protocol: **Globalstar Simplex**

Frequency: **1611.25 MHz to 1618.75 MHz**

Maximum Transmit Power: **23 dBm EIRP (200 milliwatts)**

Maximum Transmit Time: **1500 milliseconds**

BATTERY LIFE

Configuration	Estimated Range
1 transmit per 3 days	6 to 9 years
1 transmit per day	5 to 8 years
2 transmits per day	3 to 6 years
4 transmits per day	2 to 4 years
6 transmits per day	1.5 to 2.5 years

Service life will vary based on operating conditions