



## MONITORING

# Orion™ Asset Tag

*Orion Real-Time Location System Component*



## FEATURES

- Track critical items such as replacement components, tools, drums, lead blankets, equipment cases, HEPA Filters and other critical path items
- Track warehouse items for storage of high value and critical inventory
- Rugged and watertight
- One-meter location accuracy
- Two-year battery life with AA alkaline batteries

## RELATED PRODUCTS

- Orion Studio Software
- DMC 3000™ Location Telemetry (LTx) Module
- Orion Anchor

## DESCRIPTION

Asset tags are a key component of the Orion system, allowing facilities to track the location of essential tools and equipment throughout a monitored facility. The tag transmits location data, eliminating challenges caused by lost equipment. Asset tags are rugged, watertight and offer a two-year battery life.

The Orion RTLS Asset Tag actively communicates with the Orion Anchor Network to track the location of equipment and assets. Locations are actively displayed and monitored within corresponding views via the Orion Studio Software. Asset Tags are able to be categorized, filtered and specified through the system. Information is relayed from the Asset Tags, through the Anchors, to the Orion Studio Software. Never lose critical Assets needed for supporting operations.

## PRODUCT FUNCTION

The Orion RTLS Asset Tag actively communicates by ultra-wideband to other integrated Orion products to track the location of equipment and assets. Asset Tags are associated with equipment names/ID in the Orion Studio Software and location tracking can be used to monitor last storage location or unauthorized movement.

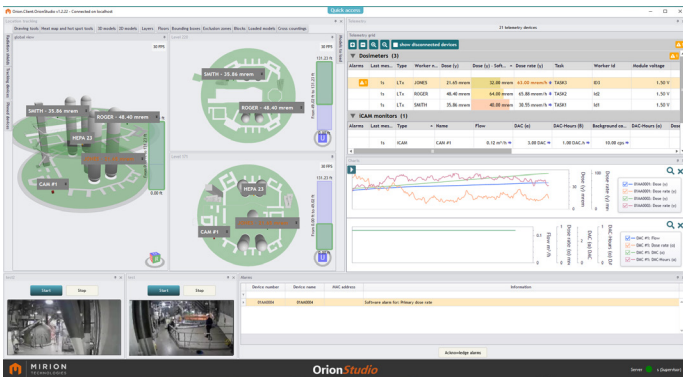
For WRM capable transmitting instruments, such as area monitors or airborne contamination monitors, the asset tag can be associated with the live data to support precise visualization of the measurements. All locations and movements are actively displayed and monitored using the Orion Studio Software.

**PERFORMANCE**

Ultra-Wideband Location Technology

- FCC/IC Certified
- Complies with FCC Part 15.250
- Power Output/Range: 0.9 mW/100 m line of sight
- 6178.9 MHz to 6731.4 MHz
- Highest emission peak 6544.5 / 6644.4 MHz
- Peak Gain (dBi) 1.4

When used as part of an appropriately configured Orion Anchor network, a location resolution of 1 m in the Orion Studio software is achievable.



Asset Tag location visualization through Orion Studio Software

**SPECIFICATIONS**

- Integrated omni-directional UWB antenna
- 3-axis accelerometer
  - Supports Orion Studio alert functions if the asset is relocated or removed
  - Allows for low power operation on assets with limited movement
- Low power operation
  - 2+ years of operation on two AA batteries
- IP65 Rating (Immersion)
- Small form factor module: 4.25 x 1.60 in. (110 x 40 mm)
- Tri-color LED indicator for user-friendly status indication
- Versatile mounting of the asset tag for permanent installation

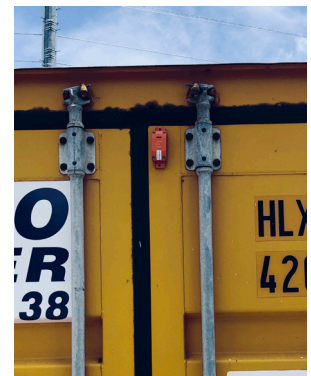


**ELECTRICAL CHARACTERISTICS**

- Internal power: 2 AA (R6) batteries of 1.5 V @ 2000 mAh or 6 Wh
- Battery life: 2+ years with motion triggered location/sleep

**ENVIRONMENTAL CHARACTERISTICS**

- Temperature range: -10 °C to 50 °C (14 °F to 122 °F)
- Storage: -20 °C to 71 °C (-4 °F to 160 °F)
- Shock, vibration and drop resistant
- IP65 protection
- IEC 60068 compliant



Transmitting iCAM™ monitor with Asset Tag



Transmitting RAMSYS ABPM with Asset Tag

