

# motive



# Asset Gateways

Get unparalleled visibility into the location, utilization, and health of your equipment.

Ensure full visibility and control over all types of equipment. The Asset Gateway Mini monitors high volume inventories, with a small form factor and 5 year battery life. The Asset Gateway Solar monitors high value equipment and reefers, with solar power and cabled options for continuous tracking.

**Key benefits**

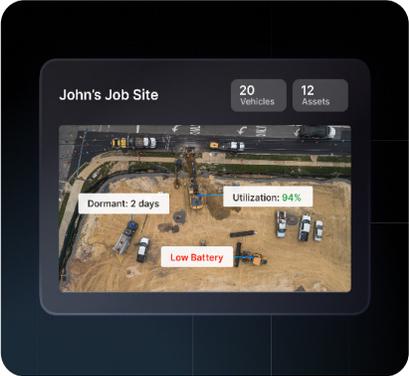
**Unparalleled visibility and control**

Real-time GPS tracking eliminates time spent on manual check-ins.



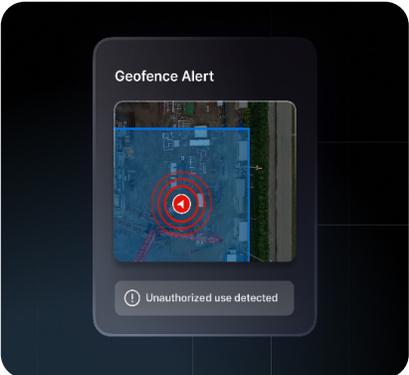
**Maximize utilization**

Utilization insights enable repositioning of underused assets and automated client billing.



**Protect your assets**

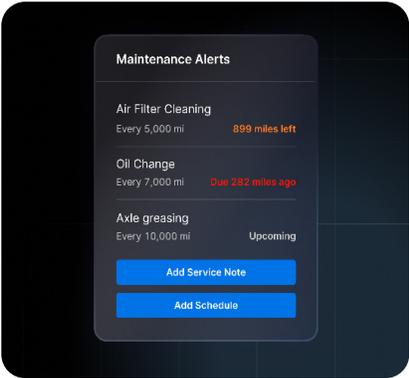
Automatic geofence alerts detect unauthorized use to prevent theft and loss.



# Key benefits (continued)

## Minimize downtime

Preventive maintenance helps you stay ahead of issues to minimize equipment downtime.



## Key Features



**Real-time visibility in one dashboard**  
Maximize utilization with current and historical location of every equipment and trailer from a single dashboard.



**Locate My Asset**  
Recover stolen or missing equipment and plan for capacity with on-demand location requests.  
*Coming soon.*



**Automatic vehicle asset pairing**  
Ensure accurate delivery by automatically linking nearby vehicles and assets, confirming which vehicle is hauling which asset.



**Instant alerts**  
Quickly address issues with alerts for unexpected movements, geofence breaches, low battery, dormancy, and more.



**Maintenance reminders**  
Avoid costly repairs and downtime by scheduling maintenance based on factors like engine hours and mileage.



**Shareable ETA**  
Enhance customer satisfaction by providing accurate delivery windows and tracking your cargo's successful delivery.

## Specifications

	Asset Gateway Mini	Asset Gateway Solar
	<hr/> <b>Battery and cable power options</b> <hr/> <div style="text-align: center;">  </div> <hr/>	<hr/> <b>Cable and Solar-Power Options</b> <hr/> <div style="text-align: center;">  </div> <hr/>
<b>Power Source</b>	<ul style="list-style-type: none"> <li>• Battery and cable power are available on the same device</li> <li>• Optional cable can be installed anytime</li> <li>• When external power is interrupted, the device seamlessly falls back to the battery</li> <li>• <b>Cable-powered mode:</b> <ul style="list-style-type: none"> <li>• Cable connected to external power source</li> <li>• 9V-32V input using CBL-3WR-AG31.2</li> </ul> </li> <li>• <b>Battery-powered mode:</b> <ul style="list-style-type: none"> <li>• Battery specifications:               <ol style="list-style-type: none"> <li>1. Replacement lithium ion disulfide battery</li> <li>2. Nominal voltage: 6.0 VDC</li> <li>3. Rated capacity: 3400 mAh</li> <li>4. 5 year expected life on default settings in typical environment                   <ol style="list-style-type: none"> <li>I. 2 scheduled GPS pings a day, plus occasional on-demand pings</li> </ol> </li> <li>5. Enabling “Locate My Asset” capability does not materially degrade battery, compared to 40%+ on competing devices, even if on-demand pings are never used</li> </ol> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Cable connects to 7-way trailer connector (vehicle power)</li> <li>• 9V–32V input using Cable 4020 (available on request)</li> <li>• Solar panel</li> <li>• Rechargeable battery</li> <li>• 6 month expected life when fully charged</li> </ul>
<b>Location check-in rate</b>	<ul style="list-style-type: none"> <li>• <b>Cable-powered mode:</b> 1 minute capture / 1 minute report</li> <li>• <b>Battery-powered mode:</b> <ul style="list-style-type: none"> <li>• Check-in rate: Default is 12 hour capture / 12 hour report</li> <li>• Optional configurations to increase check-in rate</li> <li>• On-demand pings (“Locate My Asset”) available. Occasional use does not significantly degrade battery impact</li> </ul> </li> </ul>	1 min capture/ 5 min report when battery >50%

	Asset Gateway Mini	Asset Gateway Solar
	Battery and cable power options	Cable and Solar-Power Options
<b>Memory</b>	<ul style="list-style-type: none"> <li>• <b>Cable-powered mode:</b> 1 month of log data (one check-in every minute)</li> <li>• <b>Battery-powered mode:</b> 50 years of log data (at two check-ins per day)</li> </ul>	Up to 6 weeks of log data
<b>Unit lifetime</b>	5-year warranty	
<b>Dimensions</b>	5.83 × 3.27 × 1.28 in (148 × 83 × 32.5mm)	With solar mount: 12.55 × 2.39 × 2.68 in (318.8 × 60.8 × 68 mm)
<b>Weight</b>	19.2 oz (544 g)	Without solar mount: 13.3 oz (378 g) With solar mount: 15.4 oz (437 g)
<b>Sensors and data streams</b>	<ul style="list-style-type: none"> <li>• Motion sensor</li> <li>• Battery level</li> <li>• Speed (&lt; 1,900 kph)</li> <li>• Altitude (&lt; 18,000 m)</li> <li>• Location</li> <li>• Heading</li> </ul>	<ul style="list-style-type: none"> <li>• Motion sensor</li> <li>• Battery level</li> <li>• Speed</li> <li>• Altitude</li> <li>• Location</li> <li>• Heading</li> </ul>
<b>Cellular</b>	4G CAT-M1 US, Canada, Mexico Ready	
<b>GPS</b>	GPS support only	GPS + GLONASS + GALILEO
<b>Security</b>	Secure data communication with server, secure firmware update	
<b>Operating temperature</b>	-40°F–140°F (-40°C–60°C)	Operation with external power -4°F–185°F (-20°C–85°C)

	Asset Gateway Mini	Asset Gateway Solar
	Battery and cable power options	Cable and Solar-Power Options
<b>Battery charge</b>	N/A	14°F–114.8°F (-10°C–46°C)
<b>Storage temperature</b>	-40°F–140°F (-40°C–60°C)	-40°F–185°F (-40°C–85°C)
<b>Environmental rating</b>	IP67 - Waterproof up to 1m submersion  IP69K - Highest grade resistance to high pressure, high temperature spraydown	IP67 - Waterproof up to 1m submersion
<b>Environmental testing</b>	Tests include: <ul style="list-style-type: none"> <li>• Salt spray (IEC 60068 2-11)</li> <li>• Solar (outdoor) weathering (IEC68-2-5)</li> <li>• Heated vibration - commercial vehicle (ISO 16750-3)</li> <li>• Operation bumping (IEC 60068-2-27)</li> <li>• Free drop test (MIL-STD-810G Method 516.6)</li> </ul>	Tests include: <ul style="list-style-type: none"> <li>• Salt spray (IEC 60068-2-52)</li> <li>• Solar (outdoor) weathering (IEC 60068-2-5)</li> <li>• Heated vibration - commercial vehicle (SAE-J1455)</li> <li>• Operation bumping (ISO 16750-3)</li> <li>• Free drop test (MIL-STD-810G Method 516.6)</li> </ul>
<b>Certifications</b>	<ul style="list-style-type: none"> <li>• FCC &amp; ISED Certified</li> <li>• PTCRB™ Certified</li> <li>• Certified for the AT&amp;T Network</li> </ul>	

# **motive**



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