MT Series Reference Architectures are cost optimized, easy to customize, and leverage the latest cellular technologies to deliver real-time actionable data. They are the ideal foundations for IoT solutions tasked with tracking and monitoring powered assets at scale across industries and use cases.

The **4201 architecture** is ideal for track and trace workflows requiring a Bluetooth-enabled Cat M1/NB-IoT cellular IoT gateway featuring multiple I/O and embedded GPS.

For use cases not requiring Bluetooth the **4000 architecture** is recommended. The 4000 operates on Cat 1 (local variant), 3G, and 2G. With multiple I/O configurations both architectures can support various needs including Ignition relay, starter disable, temperature probes, door monitor, emergency button and other general I/O needs.

For regional track trace and recovery use cases confined to 2G cellular networks the **2000 architecture** provides low-cost access to advanced feature set and capabilities. MT reference architectures are a smart option for businesses seeking the quickest path to market without sacrificing quality or features.

### Main Features

- Bluetooth Beacon Gateway*
- Real-time tracking and notifications
- Starter-disable; custom alerts
- eVehicle compatible
- IoT platform integration
- Over-the-air updates (FOTA)
- Single source reporting of actionable data for multiple tagged assets

*Standard in 4201 Architecture*
When tracking or monitoring assets that have an engine, a powered asset tracking device is recommended. Powered asset trackers are great for trailers, tractors, trucks, autos, motorcycles, carts, construction equipment, or any other asset that has a power source but may not be on power all the time. These trackers also include small backup batteries that allow them to operate for short periods without power.

### Advantages and Considerations

- Smaller in size
- Battery life 5-6 months
- Once-a-day update (when stopped)
- Short-interval reporting (when in motion)
- Wires to hook to power sources
- Track hours in use/not in use
- No battery life stats
- Charges when plugged into energy source
# Which Device Architecture is Right for You?

<table>
<thead>
<tr>
<th>Device</th>
<th>Architecture</th>
<th>GPS/GLONASS</th>
<th>Bluetooth 5.1</th>
<th>Full IMU</th>
<th>Voltage Range</th>
<th>Battery</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>MT4201</td>
<td>Cat-M1, NB-IoT, 2G</td>
<td>GPS/GLONASS</td>
<td></td>
<td>Full IMU</td>
<td>8-80 VDC</td>
<td>3.7V Li-ion rechargeable</td>
<td>FCC/IC, Verizon</td>
</tr>
<tr>
<td>MT4000</td>
<td>Cat1, 3G, 2G</td>
<td>GPS/GLONASS</td>
<td></td>
<td>3-axis Accelerometer</td>
<td>9-24 VDC</td>
<td>3.7V Li-ion rechargeable</td>
<td>FCC/IC, PTCRB, Verizon, US Cellular, RoHS, CTIA</td>
</tr>
<tr>
<td>MT2000</td>
<td>2G Quad Band</td>
<td>GPS/GLONASS</td>
<td></td>
<td>3-axis Accelerometer</td>
<td>8-33 VDC</td>
<td>450 mAh</td>
<td>ANATEL</td>
</tr>
</tbody>
</table>

**Dimensions:**
- MT4201: 98 x 51 x 20mm
- MT4000: 98 x 51 x 20mm
- MT2000: 76 x 43.5 x 15mm

**Other Features:**
- MT4201: IP67
- MT4000: IP67
- MT2000: ABS UL-94

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**Create Your Custom IoT Solution**

Learn More