At-a-Glance

Cisco Connected Asset Manager for IoT Intelligence

The Cisco® Connected Asset Manager (CAM) for IoT Intelligence converges different levels of automation systems, discrete devices, historians, and business data systems enabling users to gain key insights into their global operations from one common perspective and drive quantifiably improved business outcomes.

What It Does
Cisco CAM for IoT Intelligence enables you to connect the unconnected using environmental sensors to gain insight into valuable operational data; such as temperature, pressure, power, and fuel levels. It also allows you to integrate valuable information from most IP-based devices or gateways (such as IP cameras) and leverages location technologies, such as RFID and GPS, to provide geographic information system (GIS) analysis. This enables users to realize greater device utilization, improved energy optimization, more controlled operations, and increased productivity. Further, users can combine operational, device, and sensor data with any type of business data, driving end-to-end business focused key performance indicators (KPIs), such as consumption down to a serial number, or key sustainability/CSR metrics.

Cisco CAM for IoT Intelligence can help you:

• Enhance operational efficiency and business productivity
• Measure and improve Overall Equipment Effectiveness (OEE) by creating policies to manage assets efficiently based on usage pattern and behavior
• Increase asset utilization and reduce loss through real-time location tracking
• Lower energy consumption for direct OpEx savings
• Detect and prevent theft through combined security surveillance, sensor alerts, alarms, and policies

How Is It Different?
Cisco CAM for IoT Intelligence delivers imbedded, robust drag-and-drop business intelligence (BI) reporting and visualization in-browser without the need for client software. Business users can perform high-level data analysis and create and share reports in a self-service model. While more advanced analysts can execute deep analytics and machine learning algorithms natively.

Gain full visibility into the performance and condition of all connected assets
Boost operational efficiency by identifying and acting on asset behavior and properties that deviate from normal behavior
Improve asset utilization through real-time location tracking
Reduce incidents of theft and unauthorized use of assets by integrating physical security and surveillance systems

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Advantages of Cisco CAM for IoT Intelligence include:

- **Connectivity.** Works with most meters, sensors, and systems already in place. Integrates with a wide variety of Supervisory Control and Data Acquisition (SCADA) and Programmable Logic Controller (PLC) systems, Building Management Systems (BMS), OEE, operations/historian systems, ticketing and operations software, and machine language and protocols.

- **Implementation Models.** Uses a single architecture regardless of implementation path. You have the option of choosing private cloud, public cloud, and hybrid deployment options. Moreover, it provides a simple migration path between deployment options, which means you can start with a private cloud deployment and easily move to hybrid or public cloud when you are ready.

- **Simplified Deployment.** Includes drag-and-drop functionality to create a digital blueprint for your connected devices. A Graphical Data Model Builder provides an easy to use means to create data models, ingestion scripts, and connections to devices and application programming interfaces (APIs).

As a highly scalable and versatile solution, Cisco CAM for IoT Intelligence supports 200+ protocols and can provide visibility into both smart and non-smart devices with support for programmable logic controllers (PLC), sensors, meters, and digital input/output (I/O) micro sensors and relays from a wide variety of vendors.

By creating intelligent policies based on sensor types and events, users can take automated action on an asset when its behavior or properties deviate from a normal condition.

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<tr>
<th>Asset Visibility and Monitoring</th>
<th>Resource Management and Optimization</th>
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<tbody>
<tr>
<td>• Full visibility into connected devices (e.g. identification, location, condition)</td>
<td>• Full consumption visibility into electricity, water, gas, or any other measurement</td>
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<td>• Dashboards (real-time and historic/ Business Intelligence)</td>
<td>• Optimize consumption through real-time tracking, monitoring, and alerting</td>
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<td>• KPIs, metrics, trends</td>
<td>• Use utilization data to identify the right equipment configurations and workflow</td>
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<td>• Alerts, triggers, alarms, real-time notifications</td>
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<td>• Uptime, failures</td>
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<td>• Business Intelligence reporting</td>
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<th>Operations, OpEx Reduction</th>
<th>Historical and Predictive Analytics</th>
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<td>• Manage by exception</td>
<td>• Identify usage patterns and movement</td>
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<td>• Identify the correct equipment configurations</td>
<td>• Predict behavior</td>
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<td>• Track availability, performance, quality</td>
<td>• Optimize maintenance schedules and processes</td>
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<td>• Establish any number or type of KPIs</td>
<td>• Discover performance anomalies between similar equipment</td>
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**A Digital Transformation**

In today’s digital world, devices, machines, and equipment that were previously unreachable are now connected. The Internet of Things is transforming the way businesses manage their business-critical assets. Drawing insights from the data and information these connected assets provide becomes essential.

Cisco CAM for IoT Intelligence empowers you to manage your connected assets, optimize operational processes, and make better informed decisions by providing full visibility into things connected to the network. It digitally transforms dispersed equipment, people, and processes into a unified system, helping to boost cost savings and create better business outcomes.

**For More Information**

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