

Asset Tracking Solutions

molex

Molex Asset Tracking Solutions encompass RFID tags, real-time asset tracking architecture and software, as well as professional services such as installation and ongoing assistance, enabling cost-effective, efficient and accurate monitoring of valuable inventory and assets

Features and Advantages: *Passive RFID Products*

Custom development available

Cost-effective custom tags designed within weeks

Size and read-range options include tags smaller than a fingernail and tags large enough to be read from 50+ feet
Meets the unique performance need of each application

Designed for a variety of use cases

Options available for adherence to a range of surfaces, such as metal, insulated cables, glass and other non-metal materials



Rugged and weather-resistant
Withstands extreme temperatures, vibration and challenging environments

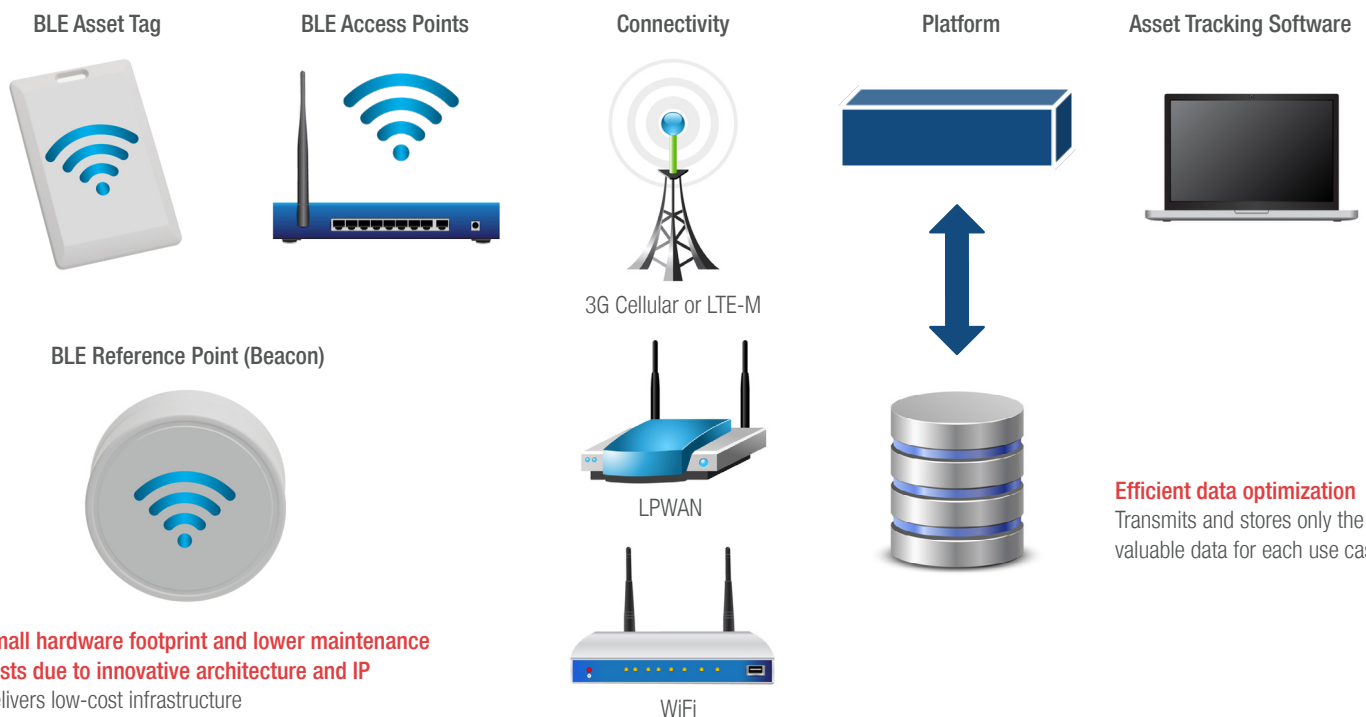
Features and Advantages: *Active Asset Tracking Architecture*

Innovative, patented architectural flexibility

Integrates low-energy Bluetooth (BLE) tags (and cellular backhaul with WiFi and Ethernet capabilities when appropriate). Gives tags long life (3-5 years) compared to battery-powered tags that collect a lot of data on a daily basis within weeks

Patented architecture and power-saving IP

Delivers long device battery life



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Features and Advantages: Asset Tracking Services




On-site surveys and analysis of each customer's specific needs

Enables the delivery of a solution with optimal effectiveness and ROI



Full implementation services

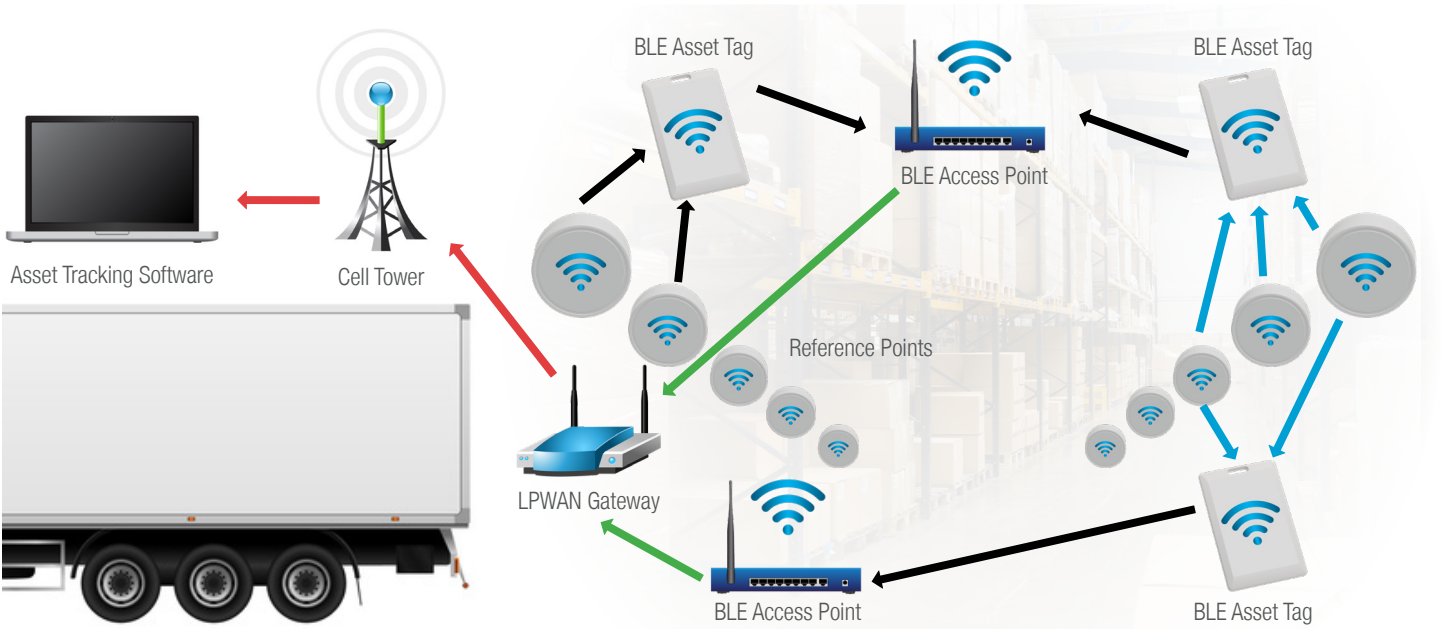
Takes the burden of installing equipment and software from the customer. Streamlines deployment



Ongoing professional service

Monitors effectiveness of asset tracking performance. Implements adjustments when necessary

Additional Product Information:
Seamless In-Transit/On-Premise Tracking



Comparing Active and Passive RFID Solutions

Passive RFID	Active RFID
Tracks whether an asset is present or missing from a particular location	Tracks the exact location of an asset in real time, even as it is in transit between points A and B
Less expensive	More expensive
Limited data storage	More data and memory
Small size and weight	Larger size and weight
Read range: few inches to 20 ft.	Read range: 100+ feet
Appropriate with low-value assets	Effective with high-value assets
RFID reader detects tag to provide asset location	Real-time tracking

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Markets and Applications

Industrial, Commercial, Oil and Gas

Departments/Functions that use asset tracking

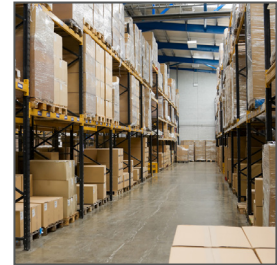
Warehouse — tool storage room
and part inventory
Kitting and Staging —
turnarounds, projects, general repair
Repair — track motors,
compressors and critical spares
at vendor locations
Receiving
Shipping
Production
Overstock Area
Transfer of parts to other facilities
Tracking inbound and outbound
trailers



Forklifts and Other Indoor/
Outdoor Mobile Assets



Hospital/Surgical Equipment



Pallets

Other applications

Logistics
Supply chain visibility
Food and beverage
Cold chain/temperature monitoring
Real-time Location (RTL) systems
People tracking
Contractors
Staffing
Visitors
Safety for emergency responders

Automotive and Commercial Vehicle

Device and rental unit tracking
Vehicles with equipment

Data Center

Valuable asset tracking
Security access control

Medical

Asset and inventory management
Uniform and laundry management
Patient tracking

www.molex.com/link/rfid.html

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