cradlepoint | **Telit**

Revolutionize Manufacturing with IIoT

Telit deviceWISE on Cradlepoint routers delivers end-to-end remote connectivity to industrial machines

Introduction

The Industrial Internet of Things (IIoT) is revolutionizing manufacturing. Connecting assets throughout the industrial value chain provides complete operational visibility to allow for real-time decision making and improved levels of quality and efficiency as well as new service opportunities.

Manufacturers require the ability to connect a wide range of PLCs, robots, CNCs, torque tools, sensors etc. from multiple manufacturers to a wide range of enterprise systems. As manufacturing environments increasingly become mobile, interworking with LTE/5G WWAN solutions are required.

Cradlepoint and Telit enable integrated IoT systems management. Telit deviceWISE®, an Industrial IoT integration and enablement solution, runs on a Docker container on Cradlepoint LTE/5G routers, allowing industrial IoT assets to be managed without custom code.

Cradlepoint Summary

Cradlepoint enables the freedom to connect people, places, and things that drive more experiences, more ways to work, and better business results — anywhere. A pioneer in Wireless WAN, Cradlepoint offers advanced 4G and 5G routers and adapters — controlled through Cradlepoint NetCloudTM. Enterprises rely on Cradlepoint and its Cellular Intelligence to build a reliable, secure network for sites, vehicles, IoT devices, and remote employees. Cradlepoint is a subsidiary of Ericsson's Business Area Technologies and New Businesses division.
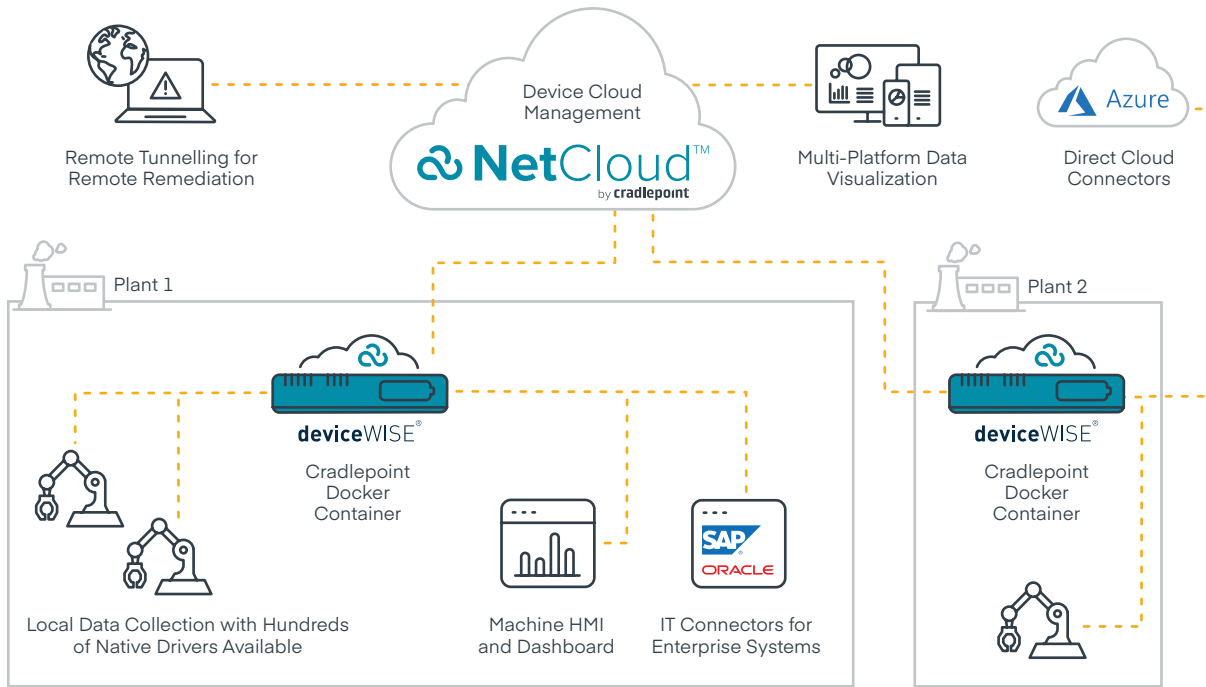
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> *With their leadership in LTE and 5G WWAN solutions, Cradlepoint is the perfect partner for Telit Industrial IoT integration and enablement solutions. Together, we can address emerging Industry 4.0 use cases, delivering simpler, IoT management, wherever needed."*
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> **Ricardo Buranello,**
> Head of Platforms Business Unit, Telit

Telit Summary

Telit is a global leader in IoT enablement, offering the industry's broadest portfolio of integrated products and services for end-to-end IIoT solutions. Telit's IIoT improves automation within the four walls of the factory and facilitates secure remote monitoring and control, asset tracking and field service operations across virtually all manufacturing verticals. deviceWISE comes with hundreds of industrial drivers so data can be collected in real time. The data can be transformed on the edge with no code allowing the calculation of KPIs such as OEE, productivity, machine usage, and more. With deviceWISE VIEW, customers can run a complete HMI, for local data visualization and can monitor machines remotely in the cloud using a secure remote connectivity for maintenance. With over two decades of pioneering IoT innovation experience, Telit delivers award-winning, secure, integrated IoT solutions for many of the world's largest enterprises, OEMs, system integrators, and service providers, so they can connect and manage IoT at any scale.

Telit deviceWISE running on Cradlepoint Router

Joint Solution Value

Telit deviceWISE runs on a Docker Container on the Cradlepoint IBR1700 Series Ruggedized Router/R1900 Series 5G Ruggedized Router by taking advantage of Cradlepoint's NetCloud Container Orchestrator. The seamless integration allows management of all industrial IoT assets quickly and easily, without custom code.

— Telit deviceWISE EDGE is an IIoT integration and enablement platform, which allows organizations to visualize machine data and create custom dashboards and HMIs to see trends and make more intuitive business decisions. Without the need for custom code, deviceWISE EDGE helps all devices and apps to talk to one another, supporting hundreds of native drivers.

— Cradlepoint IBR1700/R1900 Series Ruggedized Routers provide industry-leading, Gigabit-Class LTE/5G connectivity and are sold with a subscription to NetCloud Service for Mobile.

— NetCloud Service for Mobile provides the enterprise capabilities that organizations need to manage mobile environments and includes Docker.

Example Use Cases

Connected machines

Machine builders are revolutionizing their market offers through the usage of IoT. Remote connectivity and data collection enable new business models, increasing machine uptime and generating recurring services revenues.

— Telit deviceWISE provides machine data collection, edge logic, KPIs, remote machine monitoring and secure remote connection and tunneling.

— Cradlepoint 5G WWAN accelerates this transformation by eliminating cabling and enabling ultra-reliable, mission-critical wireless communications for IIoT use cases and applications that require minimal latency and real-time communication.

Learn more at **telit.com** and **cradlepoint.com**