CYIENT

DRIVE DIGITAL TRANSFORMATION WITH OUR IOT EDGE GATEWAYS

Power your digital initiatives to increase return on assets, accelerate efficiency, and minimize downtime.

Overview

Every second, 127 new devices are connected to the Web. The number of Internet-connected devices is expected to approach 40 billion by 2025, helping consumers and enterprises turn data into information, insights, and action. Industries have recognized the value of data and enterprises, both large and small, are investing in services and technology to connect to the Internet of Things.

However, no two IoT implementations are the same. Robust and well-designed IoT gateways that offer the capability to ingest data from multiple sources and support a range of use case scenarios are in demand. To capture, process, and communicate data from a complex network of connected devices, IoT gateways need to support a range of interfaces and protocols and have edge computing capabilities to integrate seamlessly from the OT to the IT environment.

Four reasons flexible IoT solutions save time and cost

- Addresses need to connect diverse network of organizations, locations, and external supply chain partners

- Streamlines IoT integration across existing legacy systems and networks

- Merges brownfield and greenfield IoT deployments

- Ensures sustainable IoT deployment with professional services to adapt with evolving needs

Modular Edge Gateway Solution for Increased Operational Efficiency

Cyient's flexible IoT Edge Gateways support multiple analog and digital inputs to connect to diverse sensor types and vendors or directly to machines. Multiple RF connectivity options are available for ingesting data at the edge and pushing it across the network to the cloud. The modular architecture enables seamless integration with Cyient's IoT Digital Hub platform or with any existing server-side IoT platform to quickly gain insights and take action from your data.

The IoT Edge Gateway family has the following key features:

- Flexible RF options to push data to the cloud (Wi-Fi, 4G LTE CAT 4, LTE CAT M1, LoRaWAN, NB-IoT, SigFox)
- Seamless connectivity to machines, sensors, and other IoT edge devices with diverse support for wired analog and digital and wireless I/O
- Highly modular device with plug-and-play hardware and configurable firmware

We engage early with customers, right from the requirements gathering phase, to jointly model the solution based on business needs. We also provide field and operational support during the solution life cycle. Whether solving a single high-impact business challenge or developing a strategic digital transformation roadmap, we help customers Connect, Integrate, Analyze, and Act on information to get results.

Cyient offers flexible engagement models based on customer needs:

Solutions

Project-based services

Professional services

Managed service

Diverse IoT Use Cases

As your trusted partner, we leverage our plan-build-operate-transform framework and digital capabilities to offer comprehensive solutions across the value chain.

Asset Management

- Extend asset life and optimize repair to minimize CAPEX spending
- Improve efficiency and automation
- More effective and strategic asset tracking

Predictive and Condition-Based Health Monitoring

- Predict and prevent equipment failures
- Optimize maintenance routines
- Strengthen workplace safety
- Enhance product quality and customer service

Connected and Intelligent Devices

- Lower cost and improve productivity
- Real-time information at the edge
- Decision analytics
- Improve customer experiences

Solution Advantages

Increased opportunity to deploy new business models

On-demand, 24x7, real-time visibility into business assets

Improved operational performance and productivity

Optimal maintenance and reduced downtime

Significant cost savings

Cyient Advantage

Partnering with an experienced engineering services leader with deep domain expertise is critical to assess, design quickly, and deploy, and apply data insights for improved business outcomes. Cyient offers a flexible IoT solution that can integrate legacy machines and modern equipment, local proprietary networks with WAN, indoor and outdoor environments while understanding the diversity of your deployment scenarios. Collaborate with us for:

Industry Expertise | Digital experience | Flexible engagement models | Global presence

Our IoT Edge Gateway family offers industry-agnostic solutions that can help make assets smart, connected, and digital. Leverage our rich domain expertise to quickly deploy configurable connectivity solutions that integrate seamlessly with the cloud and other IoT platforms. Our strong capabilities in analytics help generate insights from data to drive actions that solve problems and improve business results.

About Cyient

Cyient (Estd: 1991, NSE: CYIENT) is a global engineering and technology solutions company. As a Design, Build, and Maintain partner for leading organizations worldwide, we take solution ownership across the value chain to help customers focus on their core, innovate, and stay ahead of the curve. We leverage digital technologies, advanced analytics capabilities, and our domain knowledge and technical expertise, to solve complex business problems.

We partner with customers to operate as part of their extended team in ways that best suit their organization's culture and requirements. Our industry focus includes aerospace and defense, healthcare, telecommunications, rail transportation, semiconductor, geospatial, industrial, and energy.

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