Ayla’s IoT Platform

Ayla’s IoT Platform was architected from the ground up to deliver a truly end-to-end software foundation that enables any product manufacturer to develop not only intelligent products, but also elegant and reliable IoT services for their end users. Comprised of three primary components; Edge Connectivity, Device Management, and Application Enablement, Ayla's IoT Platform provides a complete solution to connect nearly any device to the cloud and applications while offering all of the tools and premium services needed for a product manufacturer to deploy, manage, and analyze their Internet of Things devices. Ayla removes the need for manufacturers to invest in networking stack development, end-to-end security, cloud infrastructure, and other IoT “must haves” when bringing connected products to market, allowing them to focus on their areas of expertise, where it matters.

Edge Connectivity

Ayla provides a broad range of solutions for cellular, Wi-Fi, and BLE connected devices that allow business tradeoffs on development cost, time to market, and solution functionality. Our End Device Agents provide pre-built networking and security on pre-certified modules with options for additional firmware functionality and module portability. With our Gateway Products, customers can also develop robust gateway node solutions across any local protocol (ZigBee, Z-Wave, BLE) with full-featured device management and application enablement.

Device Virtualization & Management

Ayla’s Device Management solution is a complete, seamless system that’s developed to make it easy for the device management teams to keep their IoT devices operating at peak efficiency. It provides a robust set of capabilities around virtualization, or the creation and management of the physical device’s digital twin. This digital twin sets the data schema and enables mapping of properties to the Ayla database for data ingestion.

Application Enablement

Ayla provides a very robust and well-documented Mobile SDK and reference application to enable mobile development teams to rapidly build and test their mobile applications. Enterprise business applications are seamlessly built on top of the Ayla Web SDK by both customers, ecosystem development partners, and Ayla Professional Services Team.
Ayla’s Solutions

AylaIQ
Diagnostic Plug-in Solution for IoT

AylaIQ is a turnkey solution tailored for both product manufacturers and service enterprises to realize rapid time to IoT value from their deployed devices. The solution, which comes in a simple and easy to deploy dongle form integrated with Ayla’s cloud service and dashboard application, is designed for ubiquitous serial/diagnostic port communication standards that are common across various types of residential and commercial equipment.

Internet Service Providers
Achieve Revenue Growth While Reducing Support Costs & Churn

Ayla’s IoT offering for Internet service providers is a modern, secure, scalable platform with advanced machine learning that helps ISPs achieve more accurate service failure prediction and remediation. Our solution processes large amounts of ‘big data’ from new/existing devices - including gateways, over-the-top boxes (OTT), set-top boxes (STB), optical network terminals (ONT), hubs, and other networking devices - across millions of subscribers, combined with deep-in house domain expertise to identify key anomalies, predicting issues and automated remediation to enable greater operational efficiency all while providing better customer experience.

Asset Tracking & Management
Enhancing Asset Tracking with IoT

Ayla is solving the challenges around asset tracking with an IoT-enabled solution that enables business owners to locate, track, and monitor remote assets within buildings, campuses and warehouses in near real-time. Ayla’s Asset Tracking & Management solution significantly reduces the cost and effort of asset tracking to minimize loss/theft, optimizes supply chain efficiency and better manages risk across a variety of verticals including manufacturing, transportation, aerospace, healthcare, and food services with a wide array of sensor and device options, pre-integrated cloud platform components, advanced analytics, and a highly experienced Professional Services team to guide throughout the project.

Ayla Differentiators

- Rapid Time to Market
  Measure progress in days/weeks vs. months/years
- Flexible & Future Proof
  Multi-tenant, multi-brand, virtualize and manage any asset while deploying new business models and services
- Any Infrastructure
  Portable cloud services run on any public or private infrastructure

About Us

Ayla Networks, a leading provider of edge connectivity, device management and application enablement for the Internet of Things (IoT), enables the world’s consumer device and commercial equipment companies to launch connected products across any sensor, device, and cloud. By leveraging the Ayla IoT™ platform, customers are able to quickly productize future-proofed, connected products, while making device data usable for ongoing analytic insights and delivering better business outcomes.

For more information, contact Ayla Networks at www.aylanetworks.com.