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 Benefits
- Rapidly onboard & deploy smart products at scale
- Sell more connected products, and profitably
- Deliver a superior 5-star customer experience
- Gain from a flexible range of pricing models
- Future-proof your IoT strategy with the leading device, module, network agnostic platform

Ayla Features
- Leading connectivity modules come pre-loaded with Ayla embedded agents
- TLS 1.2 Encryption, root key protection, and multi-layer authentication to ensure secure connectivity
- Over-the-air (OTA) Firmware upgrades
- RBAC enables users to grant usage privileges
- Open platform architecture to support 3rd party service integrations
- Analytics packages to help OEMs better understand device usage
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.

**Connected Home**

Unlock New Lines of Revenue & Dramatically Improve Customer Satisfaction

Designing, building, and launching new connected home solutions is a daunting challenge made easy with Ayla Networks. We provide all of the necessary hardware, software, and people required to develop a complete end-to-end home solution with a low total cost of ownership at an extremely rapid time to launch. By launching their own connected home solutions, Service Providers are able to overcome the challenges they now face with IoT. Rather than re-selling a connected solution from an existing OEM and missing out on the valuable customer data, Service Providers who develop their own differentiated solution have direct access to the data and can benefit in a variety of ways.

**Track & Trace**

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 in near real-time. Ayla’s Track And Trace solution reduces complexity to develop, time to launch, and overall cost of ownership by providing 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

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**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.*