

## SOLVING THE INTERNET of THINGS

So You Don't Have To.



Ayla's Agile IoT Solutions

## Ayla's Agile IoT Platform

Enterprise Software Solutions to Deploy & Manage Connected Products

Ayla Networks from its inception was founded for one sole purpose, to solve the Internet of Things so product manufacturers don't have to. Ayla's Agile 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; Ayla Embedded Agents, Ayla Cloud Services, and Ayla Application Libraries, Ayla's Agile 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.

### Ayla Embedded Agents

Ayla Embedded Agents run on IoT devices or gateways and incorporate a fully optimized networking stack, along with the additional protocols needed, to connect devices to the Ayla Cloud. Developers using nearly any microcontroller or operating system can use Ayla-enabled connectivity modules to enable cloud capabilities over any type of networking protocol.

### Ayla Cloud Services

The Ayla Cloud Service is the heart of our Agile IoT Platform. The Ayla Cloud offers a full suite of operational support services to better manage and control a connected deployment as well as several different business intelligence and analytics services to produce intelligent insights and automate operations.

### Ayla Application Libraries

Ayla Application Libraries contain rich APIs to develop great iOS and Android applications that can securely control and manage Ayla-enabled products with a smartphone or tablet. By abstracting the security and protocol complexity of communicating with the rest of Ayla's Platform, these libraries present developers with a virtual device that is easy to interact with.

## Ayla Benefits

- Trusted IoT Expertise and Experience
- Single Platform to Manage Global Deployments
- Uncovers Actionable Insights into Your Raw Data
- Unmatched Flexibility and Configurability
- End-to-End Platform for Fastest Time-to-Market
- Completely Managed Platform

## Ayla Features

### Ayla's Agile IoT Platform

- Leading Connectivity Modules Come Pre-Burned 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 Other Products

### Ayla's Agile Mobile Application Platform

Highly Configurable & Robust White-Label Mobile App

Time, cost, and risk are serious concerns for any mobile application development project. From account and device management to making sure everything stays in sync, the mobile app is critical to how users experience IoT. For this reason, Ayla has developed a highly configurable, white-label mobile application that jump-starts the development of companion iOS and Android apps for Ayla powered devices.

Built upon Ayla's Mobile Libraries, Ayla's Agile Mobile Application Platform (AMAP) enables manufacturers to quickly develop robust IoT mobile apps by providing pre-made, pre-tested software that supports the primary features consumers expect from any high-performing IoT mobile app – features such as sign-in, user registration, device setup and control, password recovery, Wi-Fi and ZigBee setup, schedule creation and management, support for push notifications and timer setup, etc. AMAP reduces the time, cost, and risk associated with building IoT mobile apps while allowing manufacturers to focus on where it matters, their differentiation.

### Ayla Insights

Advanced Business Intelligence & Analytics Platform

Ayla Insights is a fully integrated business intelligence and analytics platform that provides manufacturers with real-world insights into how their connected products are being used. More and more manufacturers are realizing that the true value of the Internet of Things is in the data, but are just as quickly learning that most of them lack the programming time and or expertise to extract the meaning from the "raw" data that is being generated by their newly connected products.

Ayla Insights provides an easy and affordable path for manufacturers to unlock the value of their data by offering a way to quickly visualize, analyze, and explore their data, regardless of the device or application type. Removing the development effort needed to produce industry and device specific analytics and reports, the Ayla Insights data platform completes the feedback loop for manufacturers and provides the fastest path for uncovering the actionable insights needed to improve product development, customer satisfaction, and revenues.

Ayla's Agile IoT Solutions

## Ayla Features

### Ayla's Agile Mobile Application Platform

- Multiple Pre-Built Navigation Styles and Interfaces
- Fully Customizable with Support for Customers' Brand Guidelines
- Support Secure Commissioning of Wi-Fi and ZigBee Devices
- LANConnect™ for Low Latency Operation
- Full Device Control & Status from App

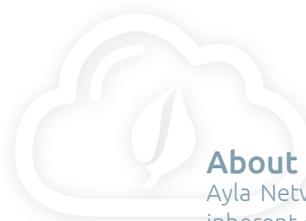
### Ayla Insights

- Ad Hoc Reporting & Analysis
- Performance Measurements Tools
- Modeled Data That Is Ready for Use
- Export to PDF or Excel
- Support to Design and Add Custom Reports



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### About Us

Ayla Networks empowers leading manufacturers by simplifying the inherent complexity of the Internet of Things (IoT), enabling them to turn their products into smart connected systems and transform their businesses to compete in the game-changing world of connectivity. Delivered as a cloud Platform-as-a-Service (PaaS), Ayla's IoT platform provides the flexibility and modularity to enable rapid changes to practically any type of device, cloud, and or app environment.

*For more information, contact Ayla Networks at [www.aylanetworks.com](http://www.aylanetworks.com).*