KEY FEATURES & FUNCTIONALITY

- Ayla Device agents work with a wide variety of hardware module manufacturers to enable the development and launch of connected HVAC systems through Wi-Fi or cellular networks

- Ayla's device management platform allows full visibility and control to the HVAC system including digital modeling, Over the Air (OTA) updates and rules & schedules-based device automation

- Ayla's cloud-to-cloud integration enables 3rd party data feeds (such as weather data) to optimize the performance of HVAC units

- Ayla's Mobile app Foundry provides the requisite software development kits (SDKs) to develop secure iOS or Android mobile apps for HVAC device status monitoring and operational control

- Enterprise grade capabilities combining highly secure RTOS agent

Ayla IoT for HVAC

Heating, ventilation and air conditioning (HVAC) systems are complex pieces of equipment that contribute a high percentage of energy consumption costs in both residential and commercial facilities. As a result, manufacturers are keen to leverage IoT technology to improve product quality, performance, and to reduce maintenance costs.

The Internet of Things (IoT) technology provides an ideal solution to building better systems, making more energy efficient and reducing service truck rolls. Using an integrated system of equipment sensors working with smart thermostats, HVAC manufacturers can differentiate their products and improve competitiveness, while also unlocking the value of data generated by their devices for new business models.

Ayla Networks has been working with over 20 of the worlds leading HVAC brands including Fujitsu, Lochinvar, AO Smith, Johnson Controls, and United Technologies to drive IoT-led transformation in the HVAC market space. Ayla's cloud platform enables HVAC brands to develop and launch connected products and scale it through the transformation journey.

Use Cases Supported

- Customer experience – deliver a better end consumer experience with a mobile app, voice control and other technologies

- Efficiency improvement – leverage data to conduct remote diagnostics, predict failures and proactively reduce service cost expenses

- Higher growth – monetize device data to sell value-added services and generate new revenue streams

Benefits & Value Proposition

Heads of product development, product management, service operations, IT and new technologies in leading HVAC brands are seeing material benefits from IoT projects including:

- A 10%-15% reduction in service & support costs related to truck rolls in just the first year of IoT activation

- Transition from the current time-based to a more efficient condition-based maintenance schedules for HVAC equipment

- Significant improvements in product quality and faster innovation through visibility to device data and rapid OTA-based remediation

- Opportunities for new revenue streams by unlocking the value of data and collaborating with distributors and service providers more effectively

- Higher levels of customer satisfaction and more 5-star ratings on leading product review sites

Why Ayla IoT for HVAC?

Only Ayla IoT has a pre-built, integrated, turnkey platform designed for the scale and performance needs of the HVAC industry. Today the Ayla cloud platform manages over 1M HVAC units worldwide, with a growth rate of 100%YoY.

Ayla's key differentiator is the seamless support for ecosystem devices, including thermostats, fans, locks to create value-added integration scenarios for energy management and home safety.

In addition, Ayla provides out of the box applications in the form of an analytic dashboard for HVAC that allows product or service personnel to easily monitor the device status, operational performance and detect anomalies. Lastly the Ayla team has a strong track record with 300+ man years of experience in implementing and delivering IoT projects, over 50 of them in the HVAC market.

Product Pricing

If you're an HVAC manufacturer interested to start an IoT project, inquire about Ayla's Explorer package, a low-cost, low-risk option designed specifically for those companies starting off on IoT. Pricing starts at just $25K for the first year.

To learn more about Ayla IoT for HVAC, or to schedule a consultation please contact us at info@aylanetworks.com.