aws

IoT Enabled Smart Home Solutions
Accelerate your IoT development with Avnet and AWS

Challenges
No OEM can have development staff teams that are experts in everything!

It's an ongoing challenge for OEMs to up-skill, recruit and retain staff that has experience in enabling IoT Smart Home Solutions across the broad spectrum of edge devices and sensors, secure connectivity, interoperability and testing, all the way through to cloud connectivity, development, and management of an IoT Platform. Venturing into Smart Home or IoT solutions can seem daunting, especially when needing help from a 3rd party to complete your design to meet your or the end customers' ideal needs. It's important to engage with a partner that has the experience, breadth of knowledge and flexible ways of accelerating the project and bringing it over the finish line, with a solution that is cost-optimized, robust, scalable, and secure.
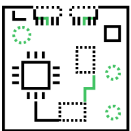
The Avnet Solution
Providing IoT expert services, technology and resources where and when customers need them.
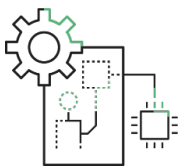
Avnet will guide, hands-on assist, and take on part or the whole project, depending on your needs. We help OEMs create complete robust and accelerated IoT solutions. We're here to help you Select, Design, and Securely Connect Home Devices to the Cloud with leading technologies, and highly skilled and experienced cloud-certified staff. Our Avnet IoTConnect Software Solution Accelerator on AWS, simplifies device onboarding and management, Cloud side application design, all with enhanced security features including OTA (Over-the-Air) updates.

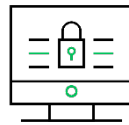### Accelerate your IoT project completion with edge-to-cloud expertise all available from one partner, Avnet.

Hardware Enablement - including component and board level hardware design expertise
For 100 years Avnet has been a leader in providing hardware solutions for our customers. We'll help you design, source, and customize far edge and gateway devices. We're a trusted experienced partner you can rely on.

Cutting edge embedded software, device connectivity, and secure connectivity services
In 2019 Avnet acquired Witekio to cement our leadership in the embedded software design space. We now have over 120 Embedded Software focused engineers on staff worldwide.

Peace of Mind
With Avnet you can be rest assured that your IoT solution will be simple to develop, scalable, secure, and fast to market. In addition, **Avnet IoTConnect Solution Accelerator Software** is a managed SaaS platform, freeing you up to focus on your customers and the application.

Help at any stage of your project
At the beginning, or further down the road in your project? We will meet you exactly where you are on the IoT journey. We offer products and services for every phase of development. From initial business case mapping to completed solution and everything in between.

aws Qualified Software   aws Qualified Device AWS IoT Core   aws PARTNER Select Tier Services

Avnet on AWS

Many customers today are lean organizations seeking to provide differentiated value and deliver their expertise to market. However, adding IoT capabilities to product offerings often strain organizations because IoT requires additional software, security, and cloud management resources and skillsets.

With Avnet and AWS, customers can greatly accelerate their IoT journey without increasing overhead. Avnet's IoTConnect Solution Accelerator aggregates AWS cloud services such as AWS IoT Core, Amazon Simple Storage Service (Amazon S3), and AWS Lambda, decreasing customers' time to market by more than 50%.

Case Study: Coffee Machine Maker

» Challenges

A world-leading coffee machine maker saw the market need to create a new product line of secure 'connected' coffee machines capable of Over-the-Air (OTA) feature updates, personalization and connectivity. Time crunch – get four new models from concept to market in less than 2 years.

» Solution

Avnet was asked to design and manufactured the electronic hardware utilized in the new line of machines. Witekio, an Avnet company, managed the full design and implementation of embedded software, and enabled the integration to AWS cloud infrastructure.

» Results

The company's new coffee maker product line can now receive critical updates Over-the-Air (OTA) for maintenance, feature evolution, and enhanced security. Avnet remains engaged with (in-field) improvement of the user interface to optimize the customer experience.

» Visit Avnet Website to learn more about IoT solutions and IoTConnect.

Visit Softweb Solutions for digital services and Witekio for embedded software services

---

/IOTCONNECT®
Solution Accelerator Software
Features and Benefits

Simplify
- Easy-to-understand control console
- Optimized device management
- Little to no coding required

Accelerate
- Robust IoT solutions framework
- Fully tested and trusted IoT platform
- Pre-built, managed platform on AWS

Security
- Leverage Avnet's edge to cloud and device security expertise
- AWS-level cloud security
- Leveraging the latest device security technology from leading silicon suppliers

Scale
- Facilitates secure scalability
- Multi-tenant architecture
- Enterprise-level features from the smallest PoC through full-scale deployment

Guidance where and when you need it
Avnet and our partners' hardware, software, IoT SaaS, cloud, visualization, and mobile development expertise combined with the leading component suppliers, partners, and AWS is a recipe for IoT Success.

Let us help you succeed in IoT!