



Build **custom** connected devices and platforms **faster**.

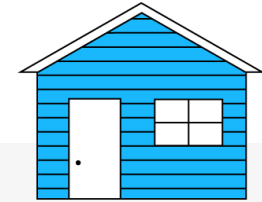
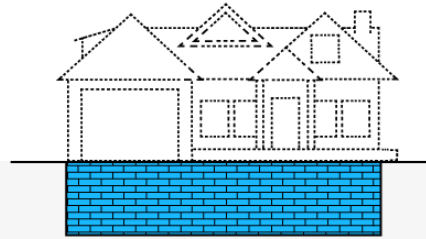
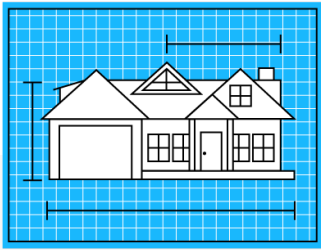
# Faster time to market.

Don't spend time re-inventing the wheel.

Auris **reduces development timelines by up to 50%** by re-using the core assets that enable customers to build to their exact device and platform needs in a significantly shorter development timeframe.



# The **value** of Auris.



## Custom

IOT FROM SCRATCH

- ✓ Highly flexible
- ✗ Long development timelines



- ✓ Speed of off-the-shelf
- ✓ Flexibility of full custom

## Off-the-shelf

IOT PLATFORM OR SOLUTION

- ✓ Quick to market
- ✗ Lacks features & flexibility



# Pre-built assets as the foundation for your custom IOT solution.



## Web & Mobile Apps

Prebuilt demo applications with best-practice component libraries help smooth the path for development for web and mobile experiences.



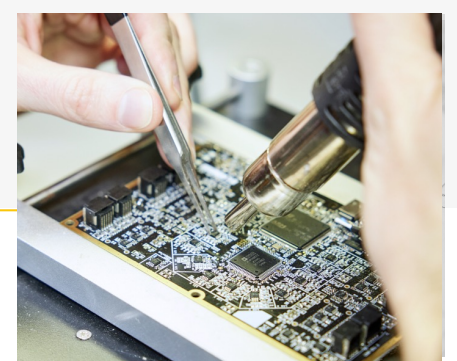
## Cloud

In partnership with AWS, we built the Auris IoT cloud using their best-in-class services and approaches.



## Firmware

Provides data connections, security, and device management integrated with the cloud. Built on FreeRTOS to leverage synergies with AWS.



## Electronics (Hardware)

A flexible foundation to accelerate the development of custom devices. Particularly well-suited to rugged, battery powered use cases, but easily adaptable to a wide range of use cases.



# A flexible approach

Auris' modular architecture allows us to only use what you need.

## Option 1:

### You need the full solution

- ✓ We build the Cloud and Application
- ✓ We build the Device

## Option 2:

### You have a cloud & application

- ~~We build the Cloud & Application~~
- ✓ We build the Device

## Option 3:

### You have a device

- ✓ We build the Cloud and Application
- ~~We build the Device~~



# A better way to build **custom** IoT devices.

 AURIS

**Full custom /  
Reference designs**

**Off the shelf /  
SAAS & PAAS**

Highly Customizable

Limited Capability

Full Ownership

Vendor Lock-in

Highly Scalable

Limited Scalability

Unproven Assets

Stable operation

Long Lead Times

Quick Speed to Market



# The complete solution.

Auris provides a strong foundation for the foundation of your entire tech stack.  
Twistthink then works with you to then accelerate customization to your specific needs.

Application-specific

Auris Foundation

## Edge Device

UI  
Housing  
Sensors

Business logic

Auris  
Electronics

Auris  
Firmware

## Platform / Application

Backend IoT application

Custom-built web and  
mobile apps

Auris  
Cloud



Auris  
Web & Mobile  
Components



# Pre-built features for your next **solution.**



## PROVEN

Every new technology has inherent risks. Our platforms significantly lower risk by following best-in-class design patterns based on decades of IOT experience and by reusing components our team has successfully deployed at scale.



## SCALABLE

With IOT workflows aligned with global cloud providers, optimized device designs and robust data flow from device to cloud, the economics and management of our platform ensure scalability.



## CUSTOMIZABLE

While the core platform provides many proven components, flexibility to customize it to your application is accomplished by a modular software, device and platform design which supports easy expansion.



## DEPLOYMENT READY

With prebuilt cloud, web and mobile solution components, data collection and proof of concept trials can be initiated quickly, leading to early proof of value. Once deployed, AI integrations can be flexibly enabled in both cloud and edge contexts.



## SECURE

A full stack security strategy leverages best practices ensures the privacy and control of the data on each device, in transit and in the cloud and application without over burdening the commissioning process.



## LOW POWER

Many IOT device are deployed in places where getting power is either difficult to access or not available at all. Our ultra-low power management architecture allows devices to operate remotely on batteries for extended periods of time (even 10+ years).



## CONNECTIVITY

Common connectivity protocols such as RS232, CAN, Ethernet, and Bluetooth can be used to interface to existing equipment and sensors. Most importantly, cellular connectivity enables quick deployment during and after development by bypassing many of the challenges associated with local IT based options.



## EMBEDDED SENSORS

Sensors like an accelerometer, gyro, and temperature can be coupled with application specific interfaces, allowing for tailored sensing.



How might we use Auris to  
accelerate your IoT solution?

TWISTHINK+ AURIS

