

# Connecting your kitchen is a recipe for data-driven success



**AT&T Connected Kitchen with Microsoft Azure Sphere can help you streamline operations, unlock cost savings, deliver an exceptional customer experience, and make great strides toward your sustainability goals.**

Few things are as rewarding, and challenging, as running a restaurant or kitchen facility. Successfully navigating the obstacles of operating a kitchen at scale can make or break your business.

The Internet of Things (IoT) holds the promise to help you achieve your vision. However, many have questions about network security, return on investment (ROI), and ongoing support for connected kitchen projects.

**The AT&T Connected Kitchen with Microsoft Azure Sphere seamlessly connects your machines and equipment to the cloud with highly secure network connectivity across the globe.**

## Benefits

**Enhance efficiency and effectiveness of staff** – Provide the information your crew needs to focus on what's important and get more done

**Elevate your customer experience** – Gain insights to take your customer experience to the next level

**Transform your operations and supply chain** – Improve revenue-generating uptime while unlocking cost savings

**Increase sustainability** – Help drive long-term value for shareholders, customers, employees, and society

## Features

**Actionable insights** – A complete solution that allows you to sense, analyze, and act on information

**Security at depth** – Enterprise-grade security from the device, across the network, and into the cloud

**Scalable platform** – Drive ROI from your first project with a flexible platform that lets you build your connections as needed

# Count on our expertise and support to help you digitally transform with IoT solutions

## AT&T Professional Services

### Available solution starters

AT&T Business offers a full suite of services and integrated solutions, so you can build a game-changing connected kitchen.



#### Guest Experience

Enable your associates to provide better service with real-time insights on customers inside and outside your establishment



#### Kitchen Equipment Monitoring & Control

Help avoid machine breakdowns with preventive maintenance alerts; receive real-time updates to optimize business-critical operations and flow



#### Food Safety

Alleviate public health concerns through preemptive signals that help inform and protect customers; maintain a positive brand image



#### Smart Shelves

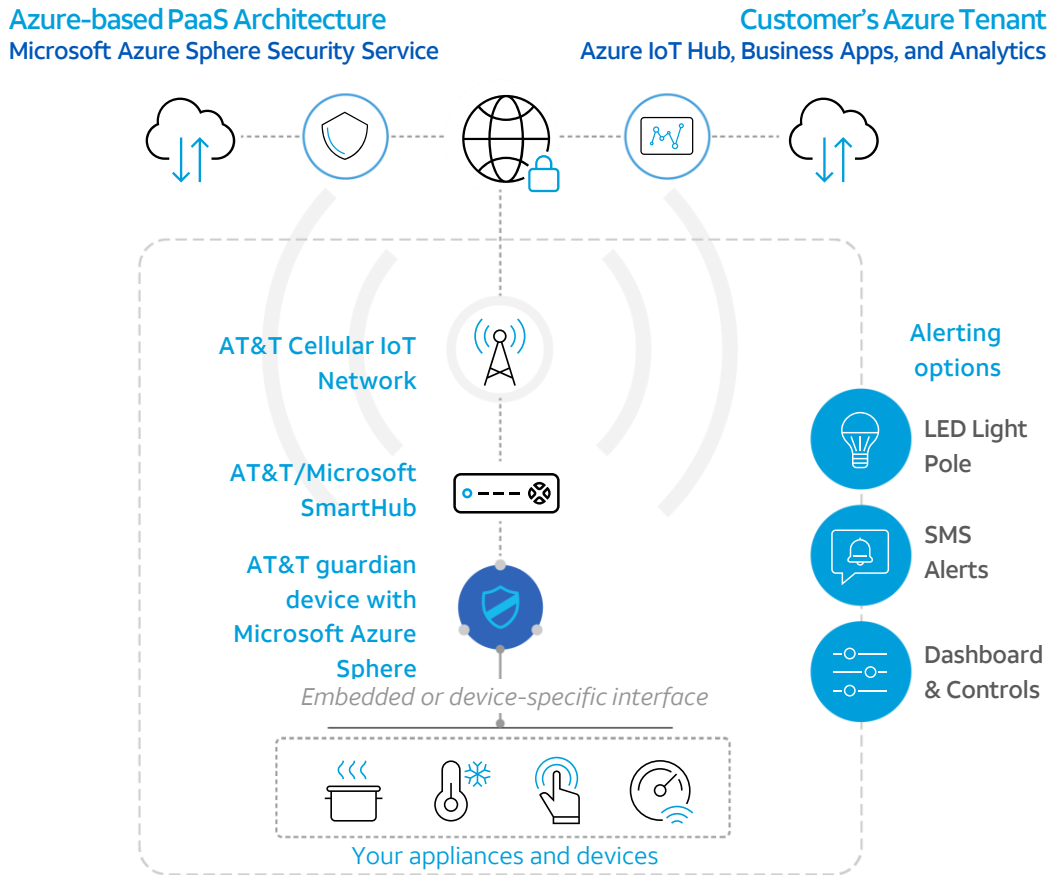
Monitor supplies in the pantry, refrigerators, and freezers to know when goods are expiring or at low capacity



#### Energy Management

Observe and control HVAC, lighting, and other high-energy appliances to save on the electric bill and improve sustainability

# High level architecture



## AT&T guardian device with Microsoft Azure Sphere

Collects and transmits data, authenticates cloud endpoints, and validates message between cloud and device

## AT&T/Microsoft SmartHub

A transparent gateway and protocol translator for connected devices to talk to each other and process data locally

## AT&T Cellular IoT Network

Cellular network is separate from store systems and networks enabling better scale and security

## Microsoft Azure Sphere Security Service

Provides app and OS updates for guardian devices, remote attestation, and cert-based authentication

## Customer's Azure Tenant

All device telemetry and data will route to the end customer's Azure tenant

# Your connected kitchen has multiple layers of protection that guard against and respond to threats

AT&T guardian device with Microsoft Azure Sphere

## Protects

your devices and your customers with certificate-based authentication of all communication

## Detects

emerging security threats through automated processing of on-device failures

## Responds

to threats with fully automated on-device updates of OS

## Securely connect to the cloud

The cellular-enabled guardian device powered by AT&T combines multi-layered security of our core network with Azure Sphere's integrated silicon, software, and cloud services.

## Global reach with less hassles

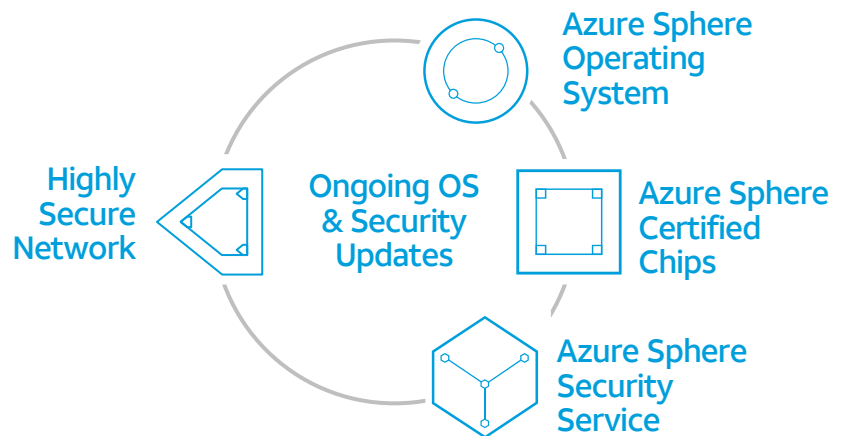
The AT&T Global SIM allows you to use the same AT&T subscription across more than 200 countries and territories without the need to re-credential.

## Out-of-the-box capabilities

Because the AT&T guardian module is based on the Azure Sphere device, all the Azure Sphere security and connectivity features such as data encryption, secure updates, and authentication are available out of the box.

## Hardware root of trust

allows for multiple layers of hardware-based security



## Over 10 years of security and OS updates

delivered directly to each device by Microsoft

Why  
AT&T  
Business

AT&T Business is a global leader in IoT, connecting millions of devices and machines globally via our highly secure network. As a leader in both IoT and Security, we are uniquely positioned to provide key insights and end-to-end security capabilities to our customers.

To learn more about our Connected Kitchen solutions and AT&T Internet of Things capabilities, contact your AT&T Representative or visit [www.business.att.com/categories/iot-professional-services.html](http://www.business.att.com/categories/iot-professional-services.html)