## **Worldwide Offices**



- Convenience Stores
- Supermarkets and Grocery Retail
- Specialty Stores



Enabling an Intelligent Planet







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### Revitalized Customer Journey

- Unified Checkout Experience
- Retail Edge Computing
- Intelligent Video Analysis

## **Overview of Advantech Retail Solutions and Services**

In the constantly evolving landscape of the retail industry, our company stands at the forefront of innovation, offering a suite of solutions designed to meet the diverse needs of modern retailers. Our extensive array of products, solutions, and services are meticulously crafted to enhance operational efficiency, elevate customer experience, and drive business growth.

## Products for Enhanced Retail Operations



#### **Point-of-Sale Systems**

- Touchscreen POS Systems
- Modular POS Systems
- Tablet POS Systems



#### **Store Computers**

- Edge Computers
- Edge Mini Servers



### All-in-One Touchscreen Computers

- Open-Frame AiO Computers
- Slim AiO Computers
- Panel Mount AiO Computers
- Rugged AiO Computers



#### **Self-Service Kiosks**

- All-in-One Touchscreen Kiosk
- Modular Touchscreen Kiosk



### **Industrial Tablets**

- X86 Windows Industrial Tablets
- RISC Android Industrial Tablets



## **IoT Devices and Gateways**

- IoT Sensors/Cameras
- IoT Gateways

## Innovative Solutions

#### **Interactive Digital Signage**

- Interactive Signage Design and Dispatch
- SignageBI Solution
- KIOSK Service Solution

## Intelligent Video Analysis

- People Counting and Occupancy
- · Vision Al Self-Checkout

## **Quality & Safety Management**

- Temperature and Humidity Monitoring
- Inspection Solution

#### Demand/Energy Saving Management Organization Carbon Inventory

- Product Carbon Footprint

Energy Consumption EUI/Analysis





**Energy & Carbon Management** 

Inspection

SignageBI

PeopleCount

FaceMatch

## Remote Device Management (DeviceOn-iService Suite)

Empower IT Professionals to Deliver Exceptional Service

# **Unified Device Management Platform**

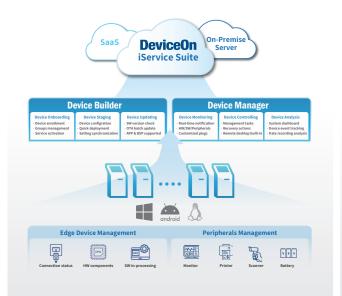
DeviceOn-iService offers remote access and management for Advantech devices across various OS (Windows, Android, Linux), peripherals, and applications. Features include OTA updates and batch control for efficient IoT operations.

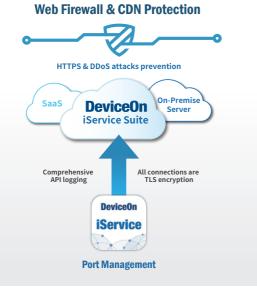
# High-Security and Encrypted Web Services

Our web service features robust security measures including advanced firewall and CDN protection against unauthorized access and potential threats. Engineered to prevent HTTPS and DDoS attacks, it ensures continuous availability and performance even under heavy traffic. All connections use TLS encryption for secure data transmission, safeguarding sensitive information. We are committed to delivering a safe and reliable web service experience.

# **Proactive Monitoring and Event Management**

DeviceOn-iService includes a robust event management feature that enhances device monitoring. It tracks real-time usage loading metrics (CPU, RAM, storage, APPs) and records historical data based on user-defined thresholds. When thresholds are exceeded, the system automatically sends alerts to IT managers, ensuring prompt attention and action. This proactive approach helps maintain optimal device performance and prevents potential issues, providing IT managers with the insights needed to keep operations running smoothly.







## **Retail Device Software Stack (DevStack)**

Enable rapid integration, easy deployment, and an optimized application experience

## **Peripheral Integration Kit**

## Enable quick integration with your devices

It's a quick installation kit which contains all necessary peripherals drivers/SDKs to enable rapid integration of your business applications with Advantech devices. All-in-one pack reduces trivial installation and integration effort, whether OPOS drivers and tool for POS applications, peripheral driver/SDK/tool for Kiosk and self-service applications.

## **Staging Go-live Tool**

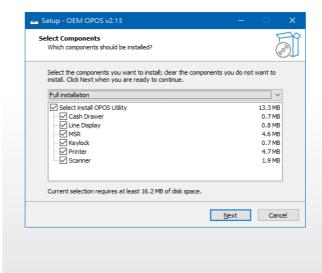
Simplify device setup and configuration

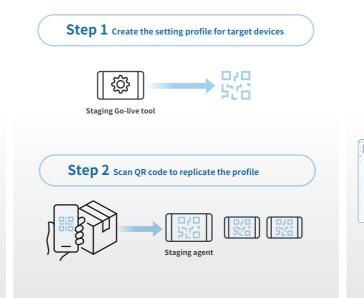
Configure your device once and replicate settings across other devices using a QR code or configuration file. Sync configurations remotely via DeviceOn server, ensuring consistency across all devices, whether local or distributed globally.

## **Device Diagnostics Tool**

## Reduce downtime and keep operations smooth

This standalone tool performs real-time diagnostics on key hardware components, including CPU, memory, storage, and sensors. Features like wireless connectivity and USB camera checks help quickly identify and fix issues.







Overview of Advantech Retail Solutions and Services

Overview of Advantech Retail Solutions and Services

## **Convenience Stores**



#### **Cold Chain Solution**

Temperature and humidity sensors, LoRaWAN magnetic switch, IoT Gateways, WISE-iService cloud platform, and IoTSensing APP



## **Inventory Management Tablet**

AIM-77S 10" Android tablet with barcode canner, hand strap, and charging cradle



#### Self-Service Kiosk

15.6"/21.5" Multi-purpose self-service kiosk with bill/coin acceptor and recycler



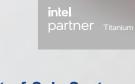
### **Retail Mini Server**

UBX-510 edge mini server





and manage content



## Point-of-Sale System

USC-360 15.6" POS system with a complete peripheral package





## **Vision Al Self-Checkout System**

UTK-7000 15.6" self-service kiosk that integrated vision AI for non-barcode fresh and packaged



## **Touchscreen Computer for Vending Machine Interface**

easily embedded to a smart vending machine as user interface



## **Autonomous Services and Contactless Checkout**

## **Touchscreen Computer for Vending Machine Interface**

Create a enjoyable vending experience with intuitive touchscreen interfaces

Advantech's one-piece open-frame touchscreen computer system is perfect for vending machine interfaces. It offers easy installation with optimized component compatibility and neat cable routing. This streamlined design simplifies setup and enhances the user experience with interactive features, multiple payment options, and personalized content. It also supports an unattended retail operation, ensuring efficient inventory management and a seamless shopping experience.

#### **Product Highlight**

• UTC-200 series open-frame touchscreen computer (7 to 42.5-inch)



## **Vision Al Self-Checkout System**

### User-friendly and less prone to errors

Advantech's UTK-7000 series kiosk system, featuring a modular design, enables integrators and solution providers to rapidly develop and deploy their solutions. Incorporating advanced computer vision technology, Advantech enhances existing checkout systems, accelerating the solution's time-to-market. Particularly beneficial for convenience store retailers expanding into fresh food offerings, this user-friendly checkout system facilitates a seamless and frictionless shopping experience for customers.



## **Enhanced Customer Experience with Digital Signage**

## **Digital Signage Solution**

A new channel to create a connected shopping experience

Digital signage in convenience stores enhances sales and customer experience, showcasing location-based marketing content and special offers to engage more shoppers directly in the store.

More importantly, through Advantech's signage solution, it's easy to manage multiple screens, even screens across different stores. Advantech signage CMS is a low code platform and it is easy to integrate with different services including vision Al and IoT sensors. This makes digital signage more informative for the customer and inspire them to make a purchase.

#### Solution Highlight

- · SignageCMS for multiple screen management
- SignageCMS platform integrated with IoT sensors or video source
- UBX-110 digital signage computers with 2 or 3 display outputs
- UBX-510SZ edge mini server





6 Convenience Stores Convenience Stores

## **Agile Store Operations**

## **Point-of-Sale System**

# Elevate customer experiences with personalized offers

POS systems have transitioned from a 4:3 to a 16:9 touchscreen, significantly enhancing the customer experience. A vertically oriented display, facilitated by enhanced computing capabilities, showcases purchases, loyalty points, and payment methods on the upper half, while the lower half engages customers with interactive elements.

#### **Product Highlight**

- USC-360 15.6" POS system with Avalo stand
- I/O extension hub
- USC-M15W 15.6" customer-facing display
- URP POS peripherals (a printer, cash drawer, keyboard, and barcode scanner)



## **Integrated POS/Kiosk**

## Integrate simplicity - switch cashier to self-checkout

The POS system is integrated with printer and scanner modules, ensuring an organized counter and maximizing display space during sales. It can be used in two ways, transitioning between cashier and self-checkout modes to address labor shortages and reduce costs.

#### **Product Highlight**

- USC-513 13.3" POS system
- 13.3" staff-facing display embedded with a gravity sensor board
- 13.3" customer-facing display
- Integrated thermal printer
- Integrated 1D/2D barcode scanner
- MSR



## **Inventory Management Tablet**

## Enhanced operational efficiency

Equipped with up-to-date computational power, the tablet offers not only mobility convenience but also an assortment of expansions tailored to situational needs. It further provides long-lasting battery power to sustain business requirements, while its astonishing resilience provides protection against environmental hazards.

#### **Product Highlight**

- AIM-77S 10" Android tablet
- Wi-Fi 6E wireless connection
- 8 hours operation battery time
- 2 hours PD3.0 quick charging
- Magnetic charging cradle
- Hand/shoulder strap1D/2D barcode scanner



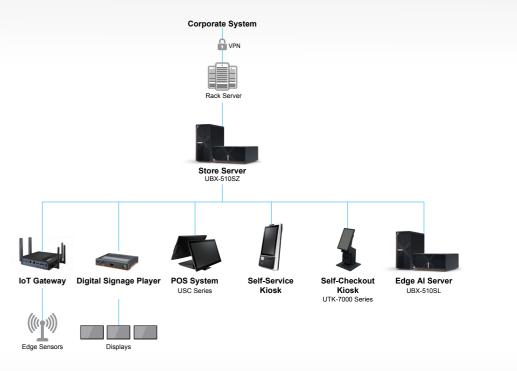
## **Edge Mini Server**

# Enhance operations with seamless data management and edge Al computing power

In the convenience store's back office, a mini tower server ensures a secure data platform by connecting in-store IoT gateways, digital signage players, POS systems, kiosks, and edge AI servers with the head office system. Operating 24/7, it facilitates efficient data connections and delivers optimized customer recommendations. Configured with graphics cards and PCIe add-on cards, the mini server also enables retail edge AI applications such as video analytics and in-store heat mapping.

#### **Product Highlight**

- UBX-510SZ edge mini server for in-store data management (equipped with Intel® Xeon® W-1250E processor and multiple COM card PCIe-1604)
- UBX-510SL edge mini server for video analytics and machine learning applications (equipped with Intel® 13th Core™ i5/i7, and NVIDIA® Tesla® L4/Quadro®/Advantech VEGA-P110 graphics)



Convenience Stores

# **Supermarkets and Grocery Retail**





Precise Marketing Signage









3 Pickup Locker **Touchscreen System** 



4 Al Queue Management





















10 Digital Inspection







11 IoT Sensing & Cold Chain Management















## **In-Store Retail Marketing**

## **Interactive Digital Signage**

## Highlight premium items and boost sales

Advantech's touch computers enhance customer engagement in hypermarkets with interactive displays. These systems provide additional information on merchandise such as liquor, wine, deli items, and home appliances. Optional Power-over-Ethernet offers flexible installation and optimized power management, ideal for widespread use.

#### **Product Highlight**

 UTC-310 (10") Android/ Windows all-in-one touch computer with built-in scanner and PoE



## **Precise Marketing Signage**

### Drive revenue through personalized advertising

Mounting a camera on digital signage and integrating vision AI video analysis technology with signageCMS platform, then customized advertisements can be played to passing customers. Managers can also integrate video analysis with CRM system to provide personalized services and boosting revenue.

#### **Use Scenarios**

- · Recommend health products based on gender and age
- · Recommend products based on the customer's last purchase
- Play advertisements based on the products the customer is currently viewing



## **Connected Commerce**

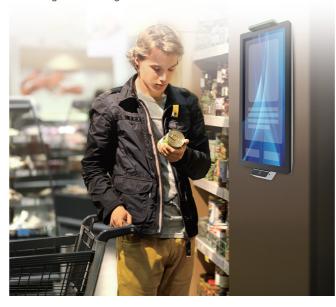
## **Product Finder**

### Guide customers to informed purchases

Finding products in large hypermarkets or retail stores can be challenging. Advantech's digital product finder kiosk, with 15.6" or 21.5" touchscreens, offers a user-friendly interface for locating items and accessing product information. QR code reader integration allows shoppers to transfer search results to their smartphones, enhancing their in-store experience.

#### **Product Highlight**

- UTC-115 (15.6") or UTC-120 (21.5") all-in-one touch computer
- Integrated 2D barcode reader
- Integrated LED lightbar



## **Edge Al Server**

## Transform the retail experience through AI

Powered by Intel® processors and machine learning cards or graphics cards, the UBX-510SL can leverage retailers' existing camera infrastructure and use machine learning to understand what it sees. From the moment a shopper sets foot through the door to their check-out wait time, this edge AI server can analyze data and create a story of what's happening in supermarkets.

#### **Product Highlight**

 UBX-510SL edge mini server (equipped with Intel<sup>®</sup> 13th Core<sup>™</sup> i5/i7, and NVIDIA<sup>®</sup> Tesla<sup>®</sup> L4/Quadro<sup>®</sup>/Advantech VEGA-P110 graphics)

## **Back-of-Store Server**

## Effortless data management in multi-channels

In a supermarket, a back-end store server streamlines inventory, orders, and data analytics. It manages employee tasks, integrates with POS systems and other IoT gateways or devices, ensures security, and automates processes for efficient retail operations.

#### **Product Highlight**

 UBX-510SZ edge mini server (equipped with Intel<sup>®</sup> Xeon<sup>®</sup> W-1250E processor and the PCIE-1604 COM card)





Supermarkets and Grocery Retail

## Order Fulfillment Tablet

### Empower your employees, anywhere

The AIM tablet's portability and user-friendly interface facilitate quick and accurate stock assessments. With real-time data access, staff can update inventory levels promptly, optimize shelf replenishments, and ensure seamless transition between tasks, enhancing overall operational efficiency.

#### **Product Highlight**

- AIM-77S 10" Android tablet
- Wi-Fi 6E wireless connection
- 8 hours operation battery time
- 2 hours PD3.0 quick charging
- · Magnetic charging cradle
- Hand/shoulder strap
- 1D/2D barcode scanner



## **Point-of-Sale System**

### Ensure transaction and stock accuracy

A POS system in a supermarket handles transactions, processes payments, and tracks sales. It efficiently manages inventory and automates pricing updates. The modular POS system features a touchscreen with a 4:3 aspect ratio and a POS box computer with rich I/O interface, ensuring compatibility with existing supermarket software and minimizing the need for system updates or modifications.

#### **Product Highlight**

- UBX-210 POS computer
- UPOS-M15 15.1" 4:3 POS touch monitor
- URP POS peripherals (a printer, cash drawer, keyboard, and barcode scanner)



## Self-Checkout Kiosk

### Modular design, easy maintenance, flexible customization

The UTK-3000 series, a small-footprint self-service kiosk, The modular kiosk system provides multiple display size is specifically engineered for high-traffic retail spaces. The to meet specific customer needs. This user-friendly design allows easy swap or upgrade the critical components in the field, improving overall service efficiency.

wall mount, desktop, and freestanding setups, ensuring it fits the checkout experience inclusive and intuitive. seamlessly into any checkout space.

options from 23.8, 27 to 32-inch, allowing retailers to employ modular design offers unparalleled customization flexibility an optimized size without hassle. The larger display not only offer ample visual zones to enable sufficient touch targets, spacing, and font size, making the digital kiosk more accessible to all people, but also show instructions, shopping This adaptability extends to installation options, allowing for cart lists, and additional information during checkout, making



#### **Product Highlight**

• UTK-3000 self-service kiosk

## **Pickup Locker Touchscreen System**

### Convenient, contactless click & collect services

Advantech's open-frame touchscreen computers integrate smoothly with pickup lockers and kiosk enclosures. These one-piece solutions combine a touchscreen display and computer system for neat installation. Available in six sizes (7, 10.1, 15.6, 21.5, 31.5, 42.5 inches) to fit any locker format.

#### **Product Highlight**

• UTC-210 (10.1") or UTC-220 (21.5") open-frame touch computer series





Supermarkets and Grocery Retail Supermarkets and Grocery Retail

## **Service and Quality Management**

## **Digital Inspection**

### Streamline quality inspections with digital auditing

Inspection is a user-friendly software solution for conducting quality control inspections and operations auditing. With this software, supermarket manager can create checklists for inspectors, set notification alerts, log and monitor operational status, and collect data for analysis and performance optimization.

#### **Use Scenarios**

- Routine environment auditing
- Staff service inspection
- Food safety and quality control



## **IoT Sensing & Cold Chain Solutions**

### Ensuring food safety

IoT sensing & cold chain solutions include temperature and humidity sensors, a 7-in-1 air quality sensor, and a management dashboard. It strictly controls food quality for you, maintain brand value, and brings customers a good customer experience; visual management interface allows store managers to instantly manage freezers in multiple stores across regions, improving food safety and management efficiency. Wireless AloT sensors would not destroy the existing design of fridge, so you do not need to worry about store decoration and cable pulling.

#### **Solution Highlight**

- LEO-S592 AQI sensor integrated with multiple sensors: humidity, temperature, CO2, Brightness, PM2.5, PM10, HCHO.
- TREK-120 temperature and humidity sensor
- IoTSensing APP



## Al Queue Management

# Save waiting time and optimize operation management

Advantech vision AI solution provides a smart queuing system, which can save waiting time and optimize store staff management to achieve efficient operations. Managers will get real-time consumer traffic pattern insights, reduce waiting queues, and improve employee shift scheduling.

#### **Use Scenarios**

- Dynamic queue assignment and queue prioritization
- Queue data analysis and optimization
- Predictive waiting times



## **Energy & Carbon Management**

## Al driven energy saving solutions for smart retail

iEMS Suite offers cutting edge energy management tailored for the retail industry, aiming for carbon neutrality. Compliant with ISO standards for carbon and energy management, this system enhances the efficiency of HVAC, compressed air, and motors through Gen AI technology. Ideal for retail businesses focused on sustainability, the iEMS Suite helps reduce greenhouse gas emissions while supporting environmental goals, making it a key tool for retailers committed to a healthier planet.

#### **Solution Highlight**

- · One-stop smart energy management anchored on low carbon
- ISO-compliant energy & carbon stewardship
- Streamlined, user-centric solutions
- · Real-time energy & carbon metrics visualization
- · Generative al creates smart low carbon Al assistant



Supermarkets and Grocery Retail

Supermarkets and Grocery Retail

# **Brand Stores and Specialty Retail**



Facial Recognition Unlock

Customer Insights





Virtual Shopping Assistant



**Endless Aisle Kiosk** 



Vision Al Interactive Signage



Gamification and Engagement Signage













**RFID Self-Checkout System** 





Intelligent People Counting Solution

## **Revitalized In-Store Customer Journey**

## **Endless Aisle Kiosk**

## Bridge brick-and-mortar and ecommerce for omnichannel success

Enhance your store's functionality with our versatile all-in-one touch screens, providing real-time stock availability to boost customer satisfaction and sales

#### **Use Scenarios**

- Streamline stock information retrieval
- · Support BOPIS, curbside pickup, and click-and-collect
- · Enable endless aisle retailing

#### **Product Highlight**

• UTK-115/120



## **Virtual Shopping Assistant**

## Boost efficiency and customer engagement

Advantech's all-in-one touchscreen system enhances the shopping experience, offering real-time assistance and increasing conversion rates.

#### Use Scenarios

- Answer real-time questions about products
- · Guide shoppers from browsing to buying

#### **Product Highlight**

• UTC-124



## Interactive Product Showroom

## Informed decisions and increased baskets size

With Advantech's touch screen systems, customers enjoy a seamless and informed shopping experience, leading to better purchasing decisions.

#### **Use Scenarios**

- 360-degree product view and navigation
- Tailored product recommendations
- Product personalization

#### **Product Highlight**

• UTC-515/520



## **Digital Mirrors**

### Blending physical with digital

Advantech's retail-hardened computer platforms provide reliability and scalability to empower your latest retail approaches. Leveraging DeviceOn remote device management software and DevStack SDKs that ensure a harmonious collaboration of RFID, IoT sensors, and sophisticated Al-powered software. The all-in-one design unit is easy to install in any retail settings, boasting intuitive touch interface and add-on peripherals for real-time inventory checks or virtual try-ons, ensuring choices in style, size, and color are just a swipe away.

#### **Use Scenarios**

- · Ideal for clothing, accessories, makeup, and footwear retail
- · Intelligent product recommendations and style assistant
- Virtual try-ons & photo booth for social engagement

#### **Product Highlight**

- UTC-542 touch computer
- UBX edge cmputer





## **Gamification and Engagement Signage**

## Foster customer loyalty through experience

Gamifying the in-store experience encourages customers to continue patronizing your brand. As your reliable worldwide eco-partner, Advantech provides a suite of technology tools to integrate computer vision AI, AR, sensors, and mobile apps, which help you develop a gamified approach that extends customer engagement, increases brand loyalty, and drives

#### **Use Scenarios**

- · Ideal for home furnishing, toys and games, and gourmet food retail · UTC-532 touch computer
- · Gamified quizzes, puzzle games, and surveys
- · Bring creativity to rewards
- Connect to customer referral programs and social engagement

### **Product Highlight**

- LEO IoT interactive button
- SignageCMS APP
- ObjectVA APP



**Specialty Stores** Specialty Stores

## **Unified Checkout Experience**

## **Point-of-Sale System**

# Enhance the customer experience with a modern image

A stylish countertop or a pole-mounted POS system brings efficiency and aesthetics to specialty stores. Streamlining transactions, saving counter space, and enhancing the store's overall ambiance, it elevates the customer experience and promotes a modern, professional image.

#### **Product Highlight**

- 15.6" All-in-one POS system (USC-360 / USC-365)
- Customer-facing display (10.1" / 15.6")
- I/O extension hub (PoweredUSB ports hub / USB and COM ports hub)
- · Desktop or pole mount



## **Mobile POS System**

# Deliver exceptional service with tablet-equipped staff for on-the-spot assistance

The compact yet versatile design enables easy navigation and payment processing, while the MSR module facilitates secure card payments. The integrated thermal printer eliminates the need for separate devices, ensuring efficient receipt printing at the checkout counter.

#### **Product Highlight**

- AIM-77S 10" Android tablet
- MSR Module
- Thermal Printer



## **RFID Self-Checkout System**

## Leverage RFID technology for a faster, accurate checkout

Upgrade your fashion retail with our sleek, RFID-enabled self-checkout kiosk. This modern solution not only streamlines your checkout process but also boosts customer satisfaction, positioning it as the ideal choice for forward-thinking retailers.

**Seamless Checkout:** Speed up transactions with RFID technology, offering customers a hassle-free shopping experience.

**Integrated & Flexible:** Tailor the kiosk to fit your unique store layout, with adaptable configurations and a comprehensive development toolkit.

**Broad Compatibility:** Easily integrate with a wide range of peripheral devices and your existing retail ecosystem, ensuring a smooth transition to cutting-edge technology.

## **Product Highlight**

- UTK-3000 15.6 inch self-checkout KIOSK
- 360° LED indicator integrated
- Camera with microphone module for Al application
- RFID bin with UHF RFID and antenna
- Advantech thermal printer
- EFT module adaptable front face



Specialty Stores

## **Retail Edge Computing**

## **Service Gateway**

IT Service Gateway, integrated with sensors and software, collects realtime data on temperature, lighting, energy use, security, asset tracking, and inventory. It doubles as a digital signage player for personalized content, elevating customers' shopping experience.

#### **Use Scenarios**

- · Real-time in-store data collection
- Digital signage and content player

#### **Product Highlight**

UBX-110 (x86-based)



## **NUC-Sized Edge Computer**

A NUC-sized PC in the retail sector offers compact, versatile computing. It optimizes space, enhances efficiency, and supports various applications, ensuring seamless and reliable operations for diverse retail needs.

#### **Use Scenarios**

- POS computer
- Digital signage or interactive product display computer
- Back-office operations (inventory management, employee scheduling, security system, data analytics)
- Mini PC in self-service or customer feedback kiosk

### **Product Highlight**

• UBX-330



## **Edge Al Server**

In specialty retail stores, an edge AI server with machine learning graphics cards can enable personalized shopping experiences by analyzing customer behavior and preferences in real-time. Additionally, they can enhance security measures through real-time video surveillance and anomaly detection, ensuring a safe shopping environment. Overall, the integration of edge AI servers in specialty stores can lead to more efficient operations, increased sales, and a better customer experience.

#### **Use Scenarios**

- Queue management
- People count
- Heat mapping
- Shelf monitoring

#### **Product Highlight**

 UBX-510SL edge mini server (equipped with Intel<sup>®</sup> 13th Core™ i5/i7 processor)



## **Edge Mini Server**

A store server plays a crucial role in managing and optimizing daily operations. It supports essential functions such as POS transactions, ensuring fast and reliable processing of sales, returns, and customer inquiries. The server facilitates robust inventory management by tracking stock levels, managing reorders, and providing real-time. It also supports CRM systems, enabling personalized marketing campaigns and loyalty programs by storing and analyzing customer data. By centralizing these operations, a store server improves customer service and supports the smooth functioning of specialty retail stores.

#### **Use Scenarios**

- · Centralized and secure local data storage
- Administration tasks
- Seamless and secure connection with head office systems

#### **Product Highlight**

 UBX-510SZ edge mini server (equipped with Intel<sup>®</sup> Xeon<sup>®</sup> W-1250E processor)



Specialty Stores

## **Intelligent Video Analysis**

## **Intelligent People Counting Solution**

## Visualized data dashboard for business insights

For specialty stores, daily foot traffic is crucial business data. Managers usually integrate foot traffic with POS data for business insights. The Intelligent people counting solution is the most effective solution, providing foot traffic and occupancy data, detecting congestion points, optimizing visitor access, and measuring footfall traffic.

#### **Use Scenarios**

- People counting across multiple entrances
- Occupancy management
- People counting data integrated with POS system

### **Product Highlight**

- UCAM-130 All-In-One people counting camera
- UBX-110 i5, vision AI edge



## **Vision Al Interactive Signage**

### Boost customer engagement

By integrating vision AI with digital signage, object recognition can be used to push product information or advertisements, enhancing customers' interest of the products and optimizing the shopping experience.

#### **Use Scenarios**

- Featured products advertisements
- Diverse promotion display

#### **Product Highlight**

- UBX-110 i5, vision AI edge
- UBX-510 edge mini server
- Object AI integrated with signage display



# Facial Recognition Unlock Customer Insights

## Customer analysis(gender and age) for business insights

Advantech AI facial recognition solution provides customer gender and age for business insights. Besides the customer insights, facial recognition is a low code platform and easy to be integrated with store operation system to optimize management efficiency.

#### Use Scenarios

- Customer insights
- O2O customer data integration
- · Customer loyalty management
- VIP notification

#### **Product Highlight**

- FaceMatch low code application
- EPC Intel Core™ i7-8700
- USC-360 i5 with FaceMatch data Sync



## **Application Stories in Specialty Stores**

A well-known electronic retailer in Taiwan adopted Advantech's vision Al solution to optimize customer experience and management efficiency. They integratedFaceMatch facial recognition with operation system. Automatically enroll data and match it with member's purchasing records. Through this system, they can offer customized promotions and enhance shopping ROI.

#### **Solution Highlights**

- Integrate facial recognition with purchase records
- The facial recognition platform only stores facial features vectors, ensuring privacy regulations
- Based on facial recognition, it is easy to provide customized service and precise marketing



Specialty Stores