ADVANTECH **iRetail**

UShop⁺

Intelligent Retail

Experts in Digitalized Store Solutions

2018 GUIDE BOOK

Internet of Things
A New Era for Retail

The arrival of the Internet of Things (IoT) and resulting paradigm shift has generated many new business opportunities related to smart city and Industry 4.0 technologies. With "Enabling an Intelligent Planet" as its core mission, Advantech, a global leader of the embedded systems market, divided its business into vertical markets in order to accelerate IoT development. Accordingly, Advantech's Service IoT Division has begun cultivating smart city solutions for the following three main domains: intelligent retail and hospitality, digital healthcare, and digital logistics and fleet management.

The retail industry has reached a crucial point in its transformation, where big data analysis, enhancement of the customer experience, and online shopping have become key areas for innovation. Advantech's iRetail solutions are aimed at vertical markets, such as chain stores, food and beverage businesses, supermarkets/hypermarkets, and shopping malls. Advantech is dedicated to developing the most effective retail applications for IoT-related applications and cloud-based services. With cloud-based retail service platforms as a core focus, Advantech has developed several solutions that target shopper engagement, cashier management, operational support, and business intelligence.

For retailers, Advantech's one-stop retail technology integration service can not only optimize retail operations, but also improve the customer experience while also providing competitive advantages. According to the company's culture of "altruism", Advantech's iRetail team provides assistance to retailers hoping to break into omni-channel retailing. As a leading provider of intelligent retail solutions, Advantech remains committed to not only improving customer satisfaction, but also enhancing the efficiency of retail operations.

Business Insights

Analysis of store data enables retailers to optimize sales strategies and daily operations.

Cloud-Based Monitoring

By monitoring the operating performance of a single or multiple stores, managers can identify key areas for improvement and development.

Store Management

By collecting cross-store performance data, management can set performance benchmarks to enhance overall productivity.

One-Stop Service

Comprehensive solutions that include intelligent IT architecture, project management, product training, after-sales support, and RMA services are provided.

Platform Integration

Advantech's UShop$^+$ cloud platform provides an open API for multi-solution integration, enabling retailers to efficiently optimize store management.

Intelligent Retail and Hospitality

eMenu Board

Interactive Digital Signage

Customer Engagement

WELCOME

SEAFOOD ALWAYS FRESH

Customer Feedback System

Queuing Management

Computing Platforms			
	Intelligent Multimedia Player	Interactive Digital Signage	Self-Service Kiosk
	P.36-38, P.45-46	P.21-24,P.41-42	P.25-26,P.43

IoT Devices					
	Camera	MSR	RFID Reader	Barcode Scanner	Smart Card Reader

UShop⁺

- Open application programming interfaces
- Store performance analytics
- Cross-data analysis
- Mobile management

P.5-18, P.39-40

POS Loss Prevention

Refrigeration and Food Temperature Monitoring

Operation Management

Business Management

Weekly Deals

SPECIAL OFFER

Energy and Environment Management

Store Heatmap Analysis

Store Traffic Analysis

Intelligent POS

P.33-35, P.45-46

Mobile POS

P.29-30, P.48

Handheld Tablet

P.27-28, P.47

Store Server

P.36-38, P.45-46

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iBeacon

Fingerprint Reader

3-in-1 Payment Module

iButton

Printer
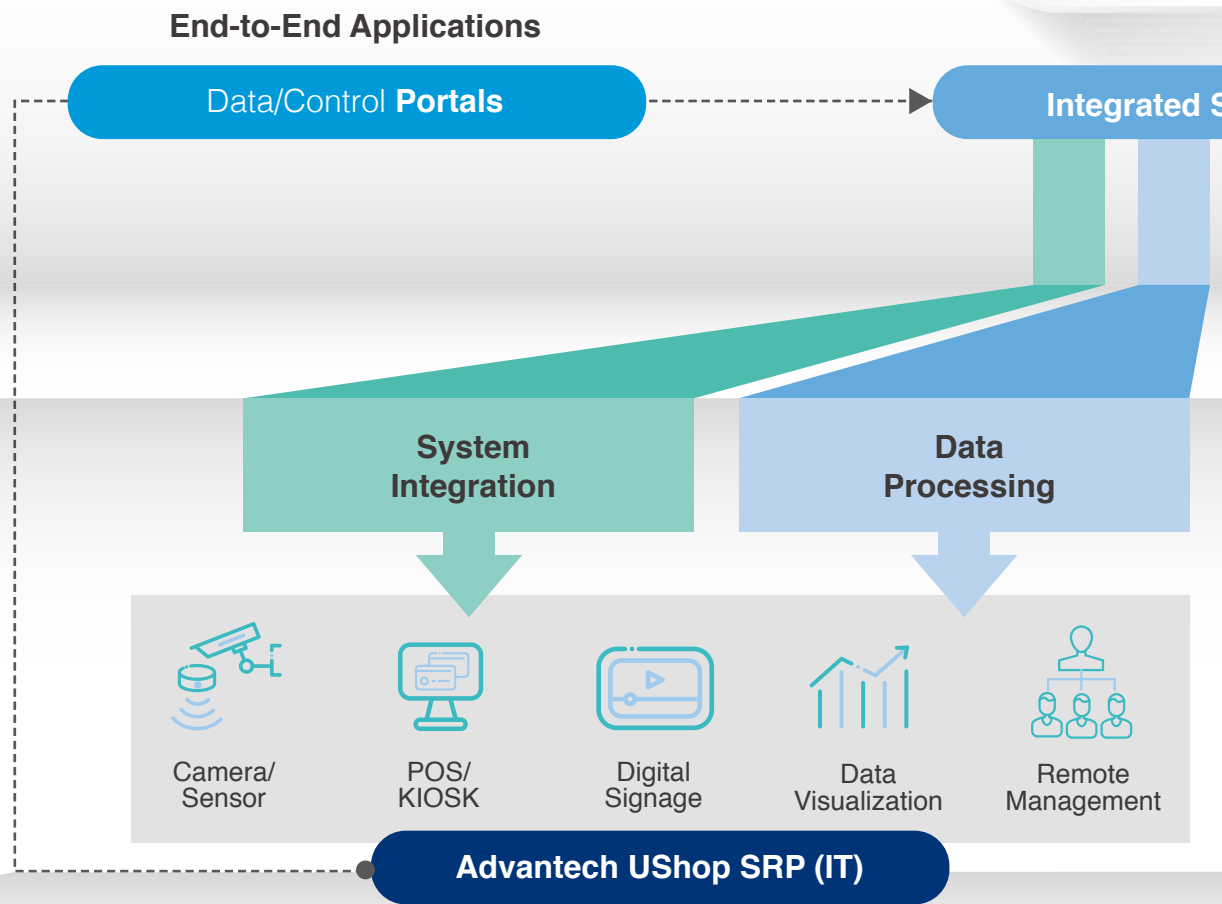
Indoor Air Quality Sensor

Smart Counting Camera

UShop⁺ Architecture

Advantech UShop⁺ is a Solution as a Service (SaaS) cloud platform developed for retailers. This platform simplifies the targeting, engagement, and retention of high-value customers with the provision of various solution-ready platforms (SRP) aimed at in-store marketing, store analytics, and store management. The UShop⁺ cloud platform provides an open RESTful API for multi-solution integration, allowing retailers to more efficiently optimize store management.

End-to-End Applications

Data/Control **Portals**

Integrated S

System Integration

Data Processing

| Camera/ Sensor | POS/ KIOSK | Digital Signage | Data Visualization | Remote Management |

Advantech UShop SRP (IT)

Multi-Solution Integrated Platform

Sales Insights with Business Intelligence

op⁺

Solution Integration

Data/Control **APIs**

SaaS/DaaS

Operation Integration

Intelligent Service

POS/CRM Integration

Data Analysis

Employee Management

Customer Engagement

SI Alliance/Co-Creation (OT)

User-Defined BI Dashboard

Manage Multiple Stores Using a Single Device

Interactive Digital Signage

Advantech's UShop SRP-130 interactive digital signage solution not only delivers dynamic and immersive multimedia content, but also increases customer engagement by broadcasting content specifically targeted to the customer. Using a variety of IoT sensors, including facial detection cameras, RFID readers, and in-store heatmaps, UShop SRP-130 adds interactivity to a digital signage network, opening up a whole new world of possibilities for both retailers and consumers.
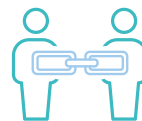
UShop SRP-130

USER BENEFITS

Use Precision Marketing to Attract Target Customers

Numerous Flexible and Customizable Scenarios

Enhance Customer Engagement with Relevant Marketing

Reduce Labor Costs via Centralized Management

UShop⁺ Signage CMS

Interactive Content Creator for Signage Applications

UShop⁺ SignageCMS is a web-based content management system designed to deliver high-resolution multimedia in diverse formats to UShop⁺ signage players. The system allows users to layout, schedule, and dispatch signage contents over the Internet to up to 500 remote display clients.

The software includes RESTful APIs that enable users to access and control applications from the server and to integrate various interactive devices, such as an RFID reader, beacon, or facial recognition system.

Supports Offline Playback via USB   Interactive APIs for Easy Integration   Remote Centralized Management

SYSTEM ARCHITECTURE

UShop⁺ Signage CMS
UShop Signage Server

UShop⁺ Signage Player

1~2 Displays — Lite

1~4 Displays — Standard

1~6 Displays — Pro

Elevator Office Broadcasting Bank Hospital Signage Virtual Shelf Window Commercial Gourmet Advertisement Traffic Guidance

Commodity Promotion Digital Menu Board Newsroom Welcome Board Brand Image Commercial TV Wall

Third-Party Integration

CRM POS NFC

Interactive API

Face Analyzer RFID Reader IAQ Sensor

UShop⁺ Interactive Pack

Intelligent eMenu Board

Advantech's intelligent eMenu board allows business owners to easily promote services and products via real-time advertisements. Managers can remotely edit and dispatch content to the eMenu board system, which then disseminates the content to multiple client devices (across stores). The eMenu board system can be integrated with a restaurant's POS data to allow customers to make last-minute order updates using the POS system or mobile app, thereby increasing customer satisfaction.

UShop SRP-131

USER BENEFITS

Remote Management and Synchronized Updates

Professional, Easy-to-Use eMenu Templates and Typesetting

Interactive Menu Content Enhances the Dining Experience

Increase Sales with Efficient Precision Marketing

UShop⁺ Signage CMS

Cloud-Based Design Software for eMenu Boards

UShop⁺ SignageCMS is a web-based content management system capable of delivering high-resolution multimedia to UShop⁺ signage players, while also providing diverse menu templates for easy editing and real-time broadcasts.

The software can be integrated with a store's mobile POS app, allowing business owners to update the menu or promotions via the POS system or mobile app.
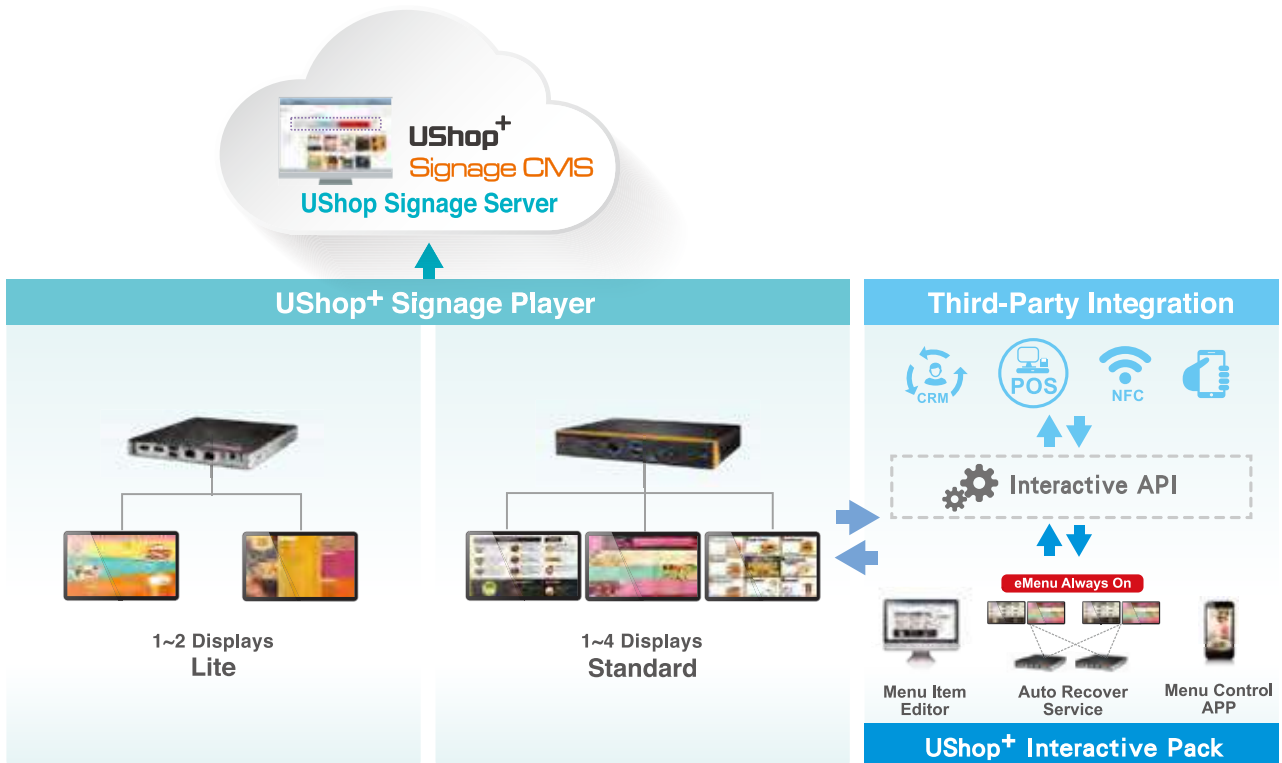

"WYSIWYG" User Interface

Schedule and Dispatch Content

Remote Device Management

SYSTEM ARCHITECTURE

UShop⁺ Signage CMS
UShop Signage Server

UShop⁺ Signage Player

1~2 Displays
Lite

1~4 Displays
Standard

Third-Party Integration

CRM   POS   NFC

Interactive API

eMenu Always On

Menu Item Editor   Auto Recover Service   Menu Control APP

UShop⁺ Interactive Pack

Store Traffic Analytics

For retailers, sales revenue is always a key performance metric; however, in-depth analysis of poor sales performances is rare. Advantech's UShop SRP-700 store traffic analytics solution enables retailers to evaluate sales potential and establish customer service and marketing strategies for maximizing profit. UShop SRP-700 integrates 2D and 3D video analysis technology with POS transaction data for business insights. Analysis of customer traffic data provides retailers with an in-depth knowledge of consumer shopping and purchasing habits, as well as insights into sales performance during periods of high/low traffic for each store.

UShop SRP-700

USER BENEFITS

Guaranteed Accuracy for High-Traffic Volumes

Integrate POS Data with People Counting Technology

Manage Multiple Stores Using a Single Device

Optimize Staff Allocation and Efficiency

UShop⁺ Store BI

Understand Business Trends at a Glance

UShop⁺ Store BI software provides retailers with data analytics and actionable insights by integrating several in-store data visualization solutions, including store traffic and heatmap analysis, to enhance retail management. The software allows retailers to easily filter and group data, create custom dashboards, and understand trends at a glance via charts and graphs. By enabling comprehensive data visualization, UShop⁺ Store BI allows business owners to explore data and identify patterns in order to optimize operations.

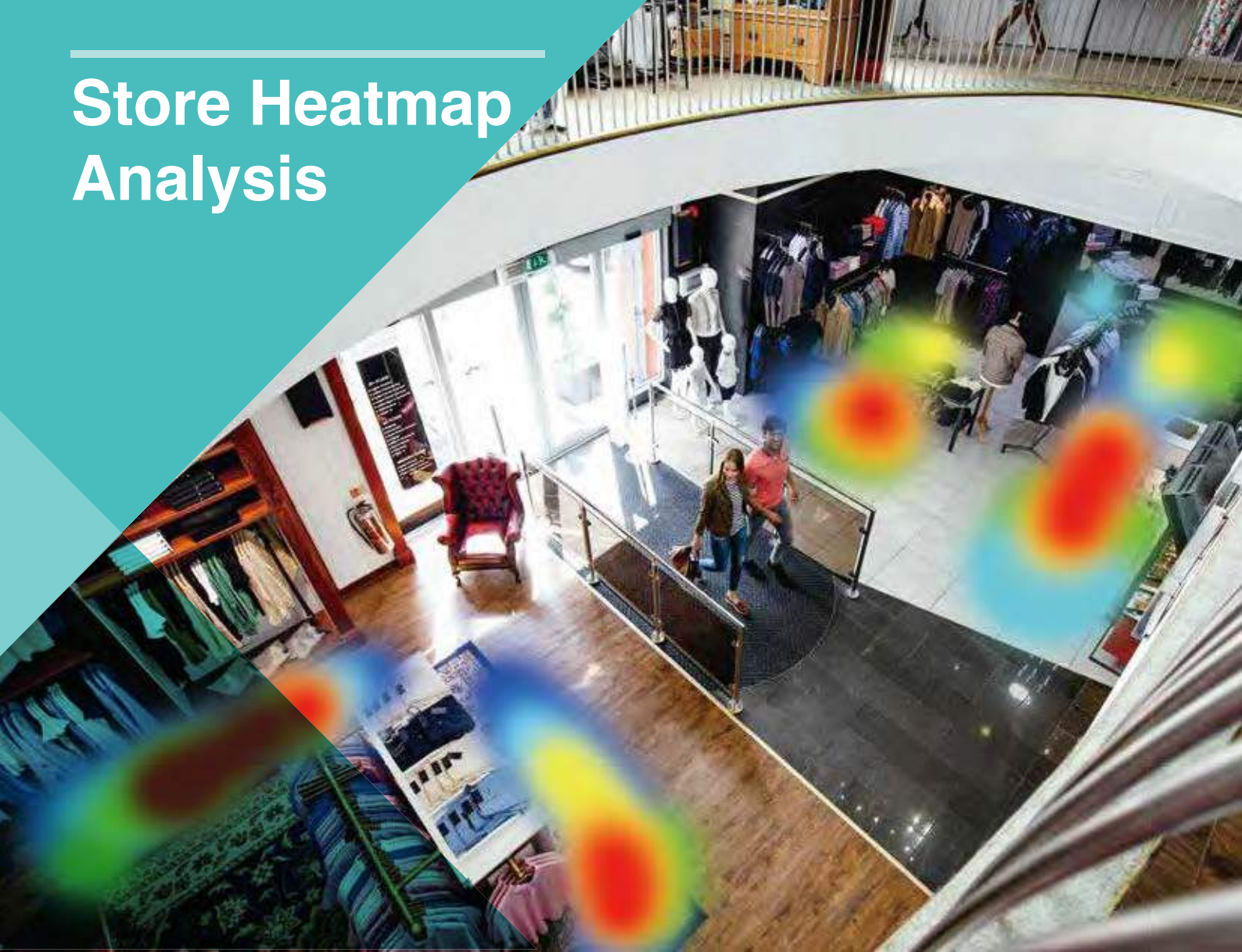

KPI Overview and Store Ranking

Multi-Data Analysis

UShop⁺ Mobile Manager App

SYSTEM ARCHITECTURE

Mobile Access

Data Analytics

Public Cloud

UShop⁺ Store BI

Private Cloud

Direct-to-Cloud Smart Sensing Device

2D Smart Counting Camera

3D Smart Counting Camera

Wi-Fi Analyzer

Store Heatmap Analysis

In the past, retail personnel had to guess where the high-traffic areas were and adjust the in-store product displays and advertisements. However, without actual data, the advertising and promotional efficiency could not be maximized. Advantech's store heatmap analysis uses image technology combined with POS transaction data as well as big data analysis to provide comprehensive, in-depth analysis of consumer behavior. With heatmap analysis, retail personnel can identify where customers are gathering to optimize product displays and adjust pricing strategies for more effective marketing.

UShop SRP-710

USER BENEFITS
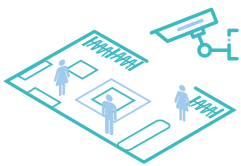
Real-World Scene Analysis

Cross-Store Analysis

Store Layout Optimization

Improved Marketing and Promotions

UShop⁺ Store BI

Obtain Business Insights at a Glance

UShop⁺ Store BI software provides retailers with data analytics and actionable insights by integrating several in-store data visualization solutions, including store traffic and heatmap analysis, to enhance retail management.

The software also features several statistics widgets for visualizing data, such as the number of store visitors, sales conversion rates, customer heatmaps, and dwell time. Retailers can even pin or create user-defined widgets in cross-region or cross-period reports.
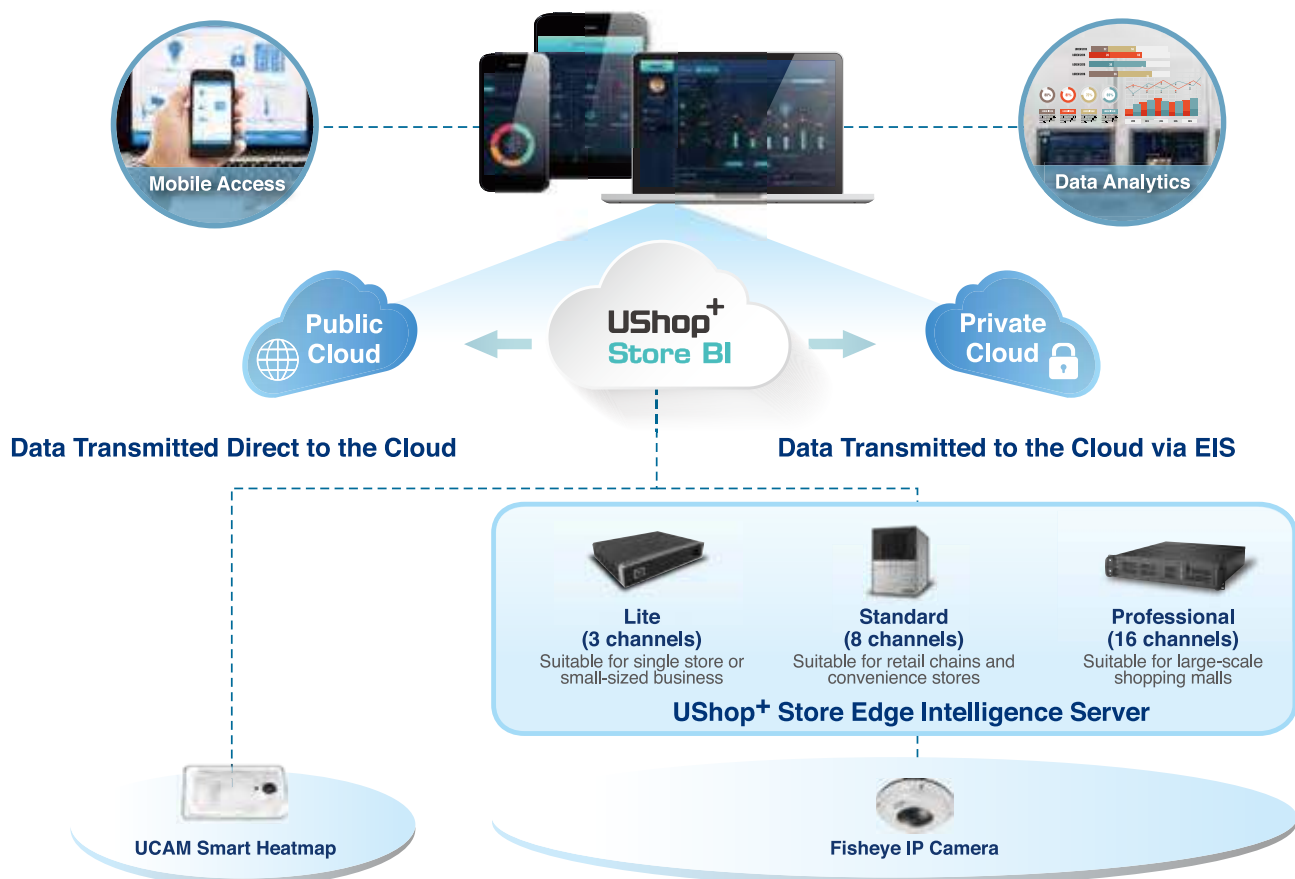
Regional Heatmap Overview   Detailed Zone Analysis   Easy Mobile Management

SYSTEM ARCHITECTURE

Mobile Access

Data Analytics

Public Cloud

UShop⁺ Store BI

Private Cloud

Data Transmitted Direct to the Cloud   **Data Transmitted to the Cloud via EIS**

**Lite
(3 channels)**
Suitable for single store or small-sized business

**Standard
(8 channels)**
Suitable for retail chains and convenience stores

**Professional
(16 channels)**
Suitable for large-scale shopping malls

UShop⁺ Store Edge Intelligence Server

UCAM Smart Heatmap   **Fisheye IP Camera**

POS Loss Prevention

POS ID: LITA CAFE-18
DATE: JAN. 30TH 201 8
TIME: 14:32
AMOUNT: 255
TRANSACTION ___MS:
TIRAMISU*2, LATTE*2, BLACK TEA*1
CASHIER ID: 25688

In the retail and food and beverage industries, net profit margins are typically lower than that of other industries. Additionally, such businesses also face disproportionate "losses" due to theft, fraud, vandalism, waste, abuse, or misconduct during daily operations.

Advantech's loss prevention solution provides data analytics of video content collected at the point-of-sale and throughout the facilities to provide actionable business information. The loss prevention analytics feature allows business owners to review the analysis results on a dashboard and receive timely mobile notifications of abnormalities to further reduce preventable losses and optimize operations.

UShop SRP-800

USER BENEFITS

Payment Transaction Recording and Monitoring

Pre-Defined Criteria for Abnormal POS Transactions

Analysis of Business Intelligence

Reports Delivered to Mobile Devices

UShop⁺ Store SENSE

Store Management Software for Improving Operational Efficiency

UShop⁺ Store SENSE software is designed to facilitate management of devices, sensors, and staff. Integrated with POS transaction data, IP cameras, and surveillance network video cameras, UShop⁺ Store SENSE allows retailers to check video records and submit POS investigation reports through a centralized management system. Managers can then review abnormal transaction behaviors and compile audit reports via a Web portal.

Instant Notifications of Abnormal Operations

Quick Query and Analysis of Abnormal Transactions

Key Business Metrics, Reports, and Dashboards

SYSTEM ARCHITECTURE

HQ Operation

Audit/Store Manager

LPS Web CMS
Cross-Store Shrinkage Management

Supermarket

Restaurant

Shopping Mall

Chain Store

UShop⁺
优店联網

POS LPS CMS
Branch Store Exceptional Event Analytics

Data & Service Integration

NVR Integration

POS Data Integration

Exceptional Event Analytics

Event Management

Lite: 3 channels

Standard: 8 channels

Pro: 16 channels

Application Stories

Subway Bangkok

Mr. Vichit, a Thai businessman, successfully established 16 Subway® franchise stores in Thailand. Advantech's Intelligent eMenu Board solution was adopted at each of Mr. Vichit's Subway® franchise stores. Using this solution, Mr. Vichit can easily edit and update the menu content remotely. The menu displays can also be configured to present special lunch/dinner promotions and offers based on the time of day.

Carrefour Taiwan

At Carrefour Taiwan, store managers faced problems with staff shortages during peak hours (and idle part-time staff during low-traffic periods). To address this issue, Carrefour deployed Advantech's UShop+ store traffic analytics solution with integrated UCAM 2D person counting cameras at various branch stores in Taiwan. UShop+ software can be used to output daily, weekly, monthly, and annual business intelligence reports that help store managers identify peak/off-peak hours and optimize overall operations. Advantech's customer satisfaction survey solution was also installed in over 100 branch stores in order to enhance customer service.

85 ℃ Bakery

To ensure unified and centralized management from headquarters, 85℃ Bakery café deployed Advantech's POS Loss Prevention Solution for monitoring cashier transactions, and displaying abnormal transaction events on the back-end dashboard in real-time. Visual data BI reports were then output for store management to study. Since the deployment of Advantech's UShop⁺ Loss Prevention Solution, the number of in-store transaction abnormalities as well as cashier errors has greatly declined.

Consumer Electronics Chain

Mr. Lai, owner of the E-Company consumer electronics chain, previously assessed the performance of each chain store based on the daily sales volume. However, after implementing Advantech's store traffic and heatmap solution at his 20 stores, the store managers were able to check the store performance metrics, including the number of visitors, transaction amount, conversion rate, sales per man-hour, as well as average sales per unit area (sales revenue/total square meters of a store), using the UShop⁺ mobile management app.

Advantech
Intelligent Retail Platform

All-in-One Service Touch Computers

All-in-One Self-Service Kiosks

Mobile Tablet Devices

Mobile POS Systems

Intelligent POS Systems

Industrial-Grade Box PCs

All-in-One Service Touch Computers

Advantech's UTC series are all-in-one computers equipped with an Intel® processor, fanless system, and multi-touch screen, making them ideal for a wide range of intelligent service applications. The true-flat monitor with 16:9 widescreen provides a beautiful and user-friendly display. Built to meet the needs of various professional applications, the UTC series can be easily integrated with multiple peripherals to extend the system functionalities. UTC series computers offer an extended product life, stable operation, and enhanced customer experience.

Scenarios and Applications

Hotel Customer Survey Terminals

Retail Store Interactive Signage

Supermarket Interactive Terminals

Retail Store O2O Terminals

Mall Wayfinding Kiosks

Restaurant Self-Order Kiosks

UTC-200 Series

UTC-210/215/220/232/242

True-Flat, Fanless,
Open Frame Panel PC

- Built-in Intel® Core™ i5-6300U processor
- 10.1/15.6/21.5/31.5/42.5" monitor with
  16:9 widescreen display
- Fanless, low-power system
- 1920 x 1080 Full HD resolution
- Glass or P-CAP/resistive touchscreen
- Supports Advantech WISE-PaaS/RMM
  remote management software

Key Features

True-flat, slim design for
easy integration

IP65-rated front panel for
water and dust resistance

Single-unit solution for
easy integration with
kiosks and cabinets

UTC-300 Series

AR

UTC-315/318/320

Stylish, Lightweight,
All-in-One Touch Computer

- Built-in Intel® Celeron® J1900/Core™ i5-
  4300U/6300U processor
- 11.6/15.6/18.5/21.5" monitor with 16:9
  widescreen display
- Fanless, low-power system
- 1920 x 1080 Full HD resolution
- Wide input voltage (12 ~ 30 V)
- Supports Advantech WISE-PaaS/RMM remote
  management software

Key Features

IP65-rated front panel for
water and dust resistance

Detachable frame for
flexible installation

Various peripherals for
diverse applications

UTC-500 Series
Rugged, Expandable, All-in-One Touch Computers

AR

True-Flat | 16:9 WIDESCREEN | Full HD | intel | | Glass/ PCAP/ Resistive Touch | IP 65 | 9H Hardness | Rich I/O | Standard VESA | Wi Fi | Remote Monitoring

OS Support | Windows | Windows Embedded | android | Linux

10" ~ 42", Compact, Slim, All-in-One PCs with 16:9 LCD

The compact, slim design and stunning 16:9 widescreen display provide a sleek and stylish appearance, while the wide range of screen sizes ensures installation flexibility.

Excellent Performance with Low Power Consumption

Equipped with an Intel® processor that supports high-performance computing, the UTC-500 fanless system offers quiet and power-efficient operation.

Rugged and Durable Touchscreen

The inclusion of an IP65-rated front panel with antimicrobial glass touchscreen* provides a durable front surface with protection from water and dust ingress.

* Antimicrobial glass touchscreens are only available with UTC-515 and UTC-520 PCAP.

Comprehensive Support for Diverse Applications

Supports multiple OS, various I/O ports, and diverse peripheral options that extend the system functionalities for a wide range of applications.

UTC-515/520/532

All-in-One Touch Computer in a Variety of Sizes

- 15.6/21.5/31.5" monitor with 16:9 widescreen display
- Built-in Intel® Celeron® J1900/Intel® Core™ i5-4300U/6300U/Pentium® N4200 processor
- Fanless, low-power system
- Supports both landscape and portrait screen orientations
- Supports Advantech WISE-PaaS/RMM remote management software

Key Features

IP65-rated front panel for water and dust resistance

Side groove design for flexible peripheral installation

Rich peripherals for diverse applications

UTC-510

Slim, Versatile, All-in-One Touch Computer with PoE Support

- 10.1" monitor with 16:10 widescreen display
- Built-in Intel® Atom™ E3825/Celeron® N2807/J1900/N3350/Pentium® N4200 processor
- Fanless, low-power system
- Removable frame and customizable frame color
- Supports Advantech WISE-PaaS/RMM remote management software

Key Features

IP65-rated front panel for water and dust resistance

PoE support (for UTC-510-PoE)

Various peripherals for system expansion

UTC-542

42.5", Slim, All-in-One Touch Computer for Interactive Signage

- 42.5" monitor with 16:9 widescreen display
- Built-in Intel® Celeron® J1900/Intel® Core™ i5-6300U/Pentium® N4200 processor
- Fanless, low-power system
- IP65-rated front panel
- Supports both landscape and portrait screen orientations
- Various I/O and peripherals for diverse applications
- Supports Advantech WISE-PaaS/RMM remote management software
- Dual hot-swappable HDD/SSD slots with RAID 0/1 support

Supports mirror coating (mirrored glass/P-CAP touchscreen)

Swappable dual HDD/SSD slots for easy updates

All-in-One Self-Service Kiosks

Advantech's UTC series of all-in-one kiosks are stylish, full-function, fanless, industrial-grade, self-service kiosks. Equipped with the latest Intel® processor, UTC series kiosks provide excellent and stable performance. Built to support various self-service applications, the UTC series all-in-one kiosks are available with various screen sizes, can be integrated with diverse peripherals, and support flexible integration for easy installation. These kiosks enable business owners to deliver unified interactive services that increase customer satisfaction.

Scenarios and Applications

Restaurant Self-Order Kiosks

Hotel Self-Check-In Kiosks

Cinema Self-Ticketing Kiosks

Bank Self-Service Kiosks

Retail Product Information Kiosks
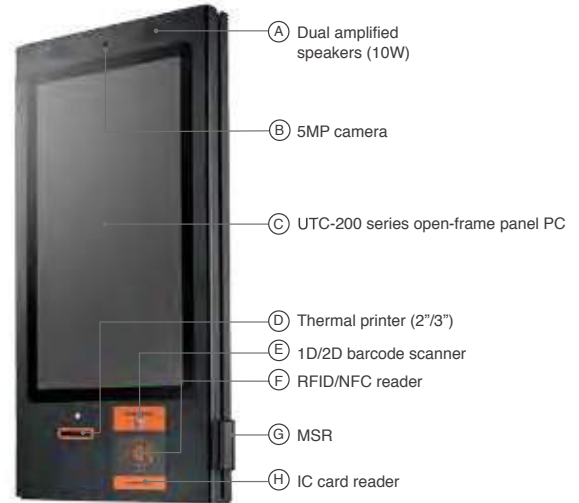
Public Information Kiosks

UTC-720 Series

UTC-722/723

*Slim, Single-Unit, Open Frame
Self-Service Kiosks*

- Built-in Intel® Core™ i5-6300U processor
- 21.5 and 31.5 " FHD LCD (1920 x 1080)
- IP65-rated front panel for water and dust resistance
- Glass or P-CAP/resistive touchscreen
- Supports Wi-Fi/Bluetooth connectivity
- Supports Advantech WISE-PaaS/RMM remote
  management software

A Dual amplified speakers (10W)

B 5MP camera

C UTC-200 series open-frame panel PC

D Thermal printer (2"/3")
E 1D/2D barcode scanner
F RFID/NFC reader
G MSR
H IC card reader

Key Features

Side-open design for
convenient maintenance

Customizable color to fit various
business environments

Supports pole, ceiling, and wall
mounting for easy installation

UTC-750 Series

UTC-752

*Convertible, Multi-Type,
All-in-One Self-Service Kiosks*

- Built-in Intel® Core™ i5-6300U processor
- 21.5" FHD LCD (1920 x 1080)
- IP65-rated front panel for water and dust resistance
- Supports IDTech payment modules
- Supports Wi-Fi/Bluetooth connectivity
- Supports Advantech WISE-PaaS/RMM remote
  management software

A | B | C
D | E

A Thermal printer (2"/3")   D 1D/2D Barcode Scanner
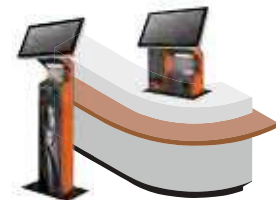B NFC reader   E MSR/IC Card Reader
C Pin pad

Key Features

Supports a secondary monitor
for multimedia displays

Integrated payment facility with
LED light for convenient use

Flexible installation with
multiple stand types

Mobile Tablet Systems

To meet the demands of various industries, Advantech's rugged yet lightweight mobile tablets support long-duration operation and can be easily expanded with the integration of various extension modules. IP65-rated for resistance to water and dust ingress, these tablets offer the capabilities to enhance the customer shopping experience, streamline operations, and increase productivity.

Scenarios and Applications

Restaurant Checkout Tablets

Device Management Tablets

Store Assistant Tablets

Field Service Tablets

Self-Service Terminals

Inventory Management Systems

AIM-35/38

8"/10" Industrial-Grade Mobile Tablet

- Built-in Intel® Atom™ processor with dual OS (Windows/Android)
- IP65 rating for resistance to water and dust ingress
- Supports various expansion peripherals for diverse applications
- Supports real-time data transmissions via 4G LTE, Wi-Fi, and Bluetooth

AR · 1200h · IP65 · 8hr+ · NFC

2MP front camera (D) · **IP65-rated protection (E)**

Micro HDMI port (A)
Power button (B)
Volume control (C)

SIM and SD ports (F)
Pogo pin connector (G)
Micro USB port (H)

NFC reader (I)
Extension module port (J)
5MP rear camera (K)
Battery cover (L)

Key Features

Touchscreen supports gloved operation

Supports EMV-certified payment modules

Supports diverse modular peripherals

AIM-37

10" Industrial-Grade Mobile Tablet

- Built-in Intel® Atom™ x5-Z8350 processor
- Corning® Gorilla® glass panel offers an MTBF of up to 12,000 hours
- IP54 rating for resistance to water and dust ingress
- Embedded MSR, IC card reader, and NFC reader provide multiple payment options
- Supports Advantech WISE-PaaS/RMM remote management software

AR · 1200h · 8hr+ · Remote Monitoring · Bluetooth · NFC

IP54-rated front panel (A)
2MP camera (B)
Embedded 2D barcode scanner (F)

MSR/IC card reader (C)
NFC reader (D)
Pogo pin connector (E)

Barcode scanner activator (G)
(H)
5MP camera
Power button (I)

Key Features

Directly bonded touchscreen for enhanced visibility

Built-in MSR and 1D/2D barcode scanner

Supports Android and Windows OS

Mobile POS Systems

Aimed at the retail and hospitality industries, Advantech's rugged yet slim and lightweight mobile POS systems offer high expandability for diverse applications, such as self-ordering or shopping assistance operations, to enhance the customer shopping experience, streamline operations, and increase overall productivity.

Scenarios and Applications

Mini POS Systems

Self-Check-in Kiosks

Self-Payment Kiosks

Restaurant Queuing Terminals

Self-Ordering Kiosks

Customer Feedback Terminals

MPOS-350

1200h | **8h+** | **IP65** | **NFC** | **Rich I/O** | **Remote Monitoring**

8" Mobile POS System

- Built-in Intel® Atom™ processor for efficient operation
- Charging cradle equipped with a receipt printer
- Supports real-time data transmissions via 4G LTE/Wi-Fi/Bluetooth
- Supports Windows 10 IoT and Android 6.0

Micro HDMI port
G

A — IP65-rated protection
B — 2MP front camera
C — SIM and SD card ports
D — Pogo pin connector
E — Printer release button
F — LED indicator

H — Power button
I — Volume control
J — 5MP rear camera
K — 180-degree rotation

L — I/O interface

Key Features

Embedded receipt printer

Supports EMV-certified payment modules

Various I/O interface for different applications

MPOS-370

AR

1200h | **8h+** | | **NFC** | **Rich I/O** | **Remote Monitoring**

10" Mobile POS System

- Built-in Intel® Atom™ processor for efficient operations
- Charging cradle equipped with a receipt printer
- Embedded MSR, IC card reader, and NFC reader provide multiple payment options
- Supports Windows 10 IoT and Android 6.0

A — MSR/IC card reader
B — NFC reader
C — Pogo pin connector
D — Receipt printer
E — Printer release button
F — LED indicator

2D barcode scanner
G

H — Barcode scanner activator
I — 5MP camera
J — Power button

K — I/O interface

Key Features

Embedded receipt printer

Built-in 2D barcode scanner for coupon scanning

Embedded NFC reader for payment service

Various Peripherals for AIM Series

Unique Printer Cradle

- Automatic charging via a pogo pin connector for long-duration operation

180-degree adjustable swivel for convenient operation

Plug-and-play functionality

Mobile tablet with unique charging cradle

Mobile tablet with UPOS-510 charging cradle

Easy-access design for convenient maintenance

System Description

USB (type A) port Ⓑ   Ⓒ COM port (RJ48)

DC jack Ⓐ   Ⓓ Cash drawer port (RJ11)

2-in-1 Carry Hand Strap for AIM-37

- Adjustable shoulder strap

- Easily removed screw for rapid installation

- Hand strap for convenient use and portability

Simple Strap for AIM-35

- Easily removed screw for rapid installation

- Hand strap for easy carry

- Easily removed screw for rapid installation

- Adjustable shoulder strap

Simple & Multiple-Bay Charger

• Guide pins for easy docking

• Automatic charging via pogo pin connector

• Easy plug-and-play functionality

• Automatic charging via pogo pin connector

• LED Indicator

• LED indicator

AIM-35

AIM-35/AIM-37

AIM-37
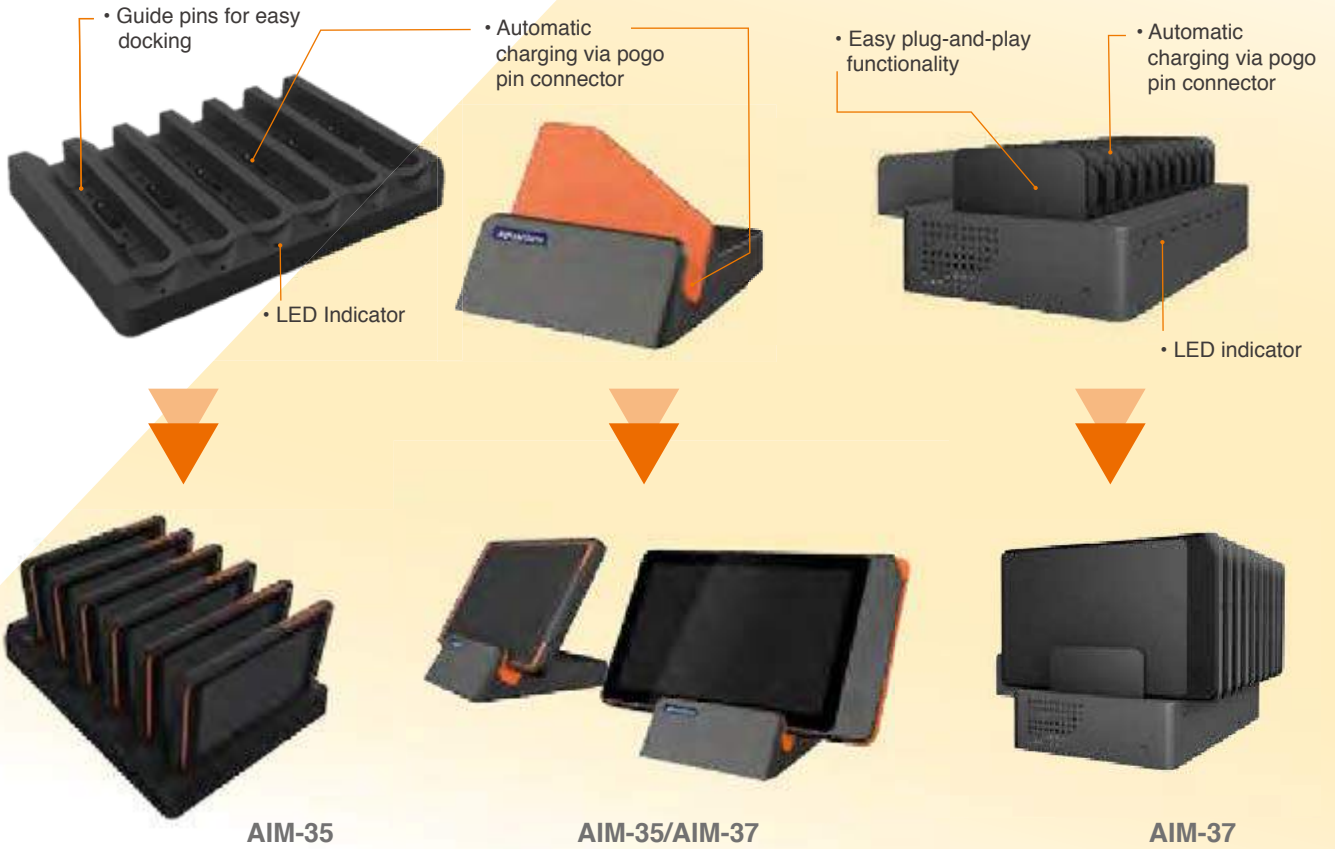
Extension Modules for AIM-35

• EMV-certified payment modules

• Add-on 1D/2D barcode scanner

Wall Mount Kit

• Supports 75 x 75 VESA wall mount

AIM-35

AIM-37

• Supports automatic charging and USB cable management

Intelligent POS Systems

Advantech's POS systems offer stylish solutions that can be equipped with various modular peripherals and integrated with remote management software and cloud-based digital signage to support the provision of diverse value-added services that enhance customers' shopping experience. These systems also enable store managers to collect consumer behavior data for subsequent analysis and operational optimization.

Scenarios and Applications

Intelligent POS Systems

Information Checking Systems
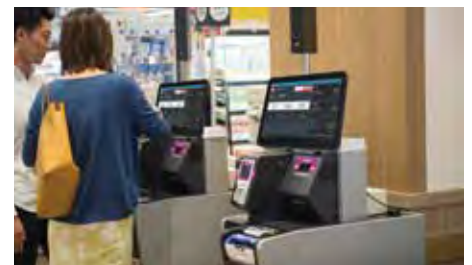
Self-Checkout Terminals

Restaurant Queuing Terminals

Kitchen Display Systems

O2O Terminals

UPOS-211

AR

Compact, All-in-One POS System with Dual-Hinge Stand

· Innovative dual-hinge stand with up to 90-degree tilt flexibility

· Customizable design for enhanced brand promotion

· Expandable I/O interface for diverse applications

· Supports Advantech WISE-PaaS/RMM remote management software

A IP65-rated front panel

C Modular peripherals

D Easy-access USB port

B Power button

E Supports various secondary displays

F Expandable I/O interface
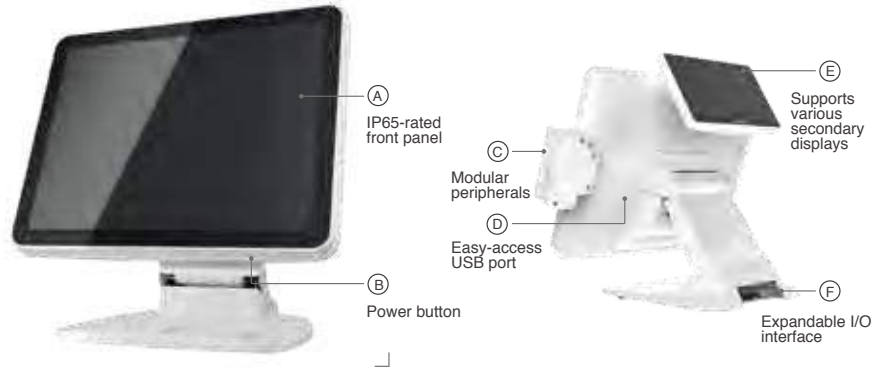
Key Features

Dual-hinge design

Supports secondary displays

USB

Easy-access USB port

UPOS-211 AVALO

15" All-in-One Extendable POS System

· Slim, fanless yet powerful POS system

· Modularized stand design enables flexible configuration

· Expandable I/O for diverse applications

· Supports Advantech WISE-PaaS/RMM remote management software

A Supports various secondary displays (VFD/10"/15")

B IP65-rated front panel

C Power button

D Expendable I/O Interface

E Flexible extendable pole module

Key Features

Highly adjustable secondary display for convenient use

Supports secondary displays (7" ~ 15") for advertisement purposes

Modularized stand design for flexible configuration

UPOS-510

AR

IP65 MSR RAID Remote Monitoring

High-Performance Modularized POS System

- Fanless Intel® processor for high-performance computing
- Stylish modularized design ensures easy maintenance
- Highly expandable I/O and superior data storage
- Supports Advantech WISE-PaaS/RMM remote management software

(D) Modular peripherals

(A) IP65-rated front panel

(E) Power button

(C) Easy-removal rear cover

(F) Easy-access USB port

(B) Aluminum housing unit

Key Features

Modularized display design for various applications

Supports various secondary displays (when integrated with AIM-37)

Expandable I/O interface and RAID support

UTC-300P

AR

IP65 Energy Saving Remote Monitoring

16:9 Widescreen Fanless POS System

- 15.6"/18.5" fanless POS system with 16:9 widescreen display
- Built-in Intel® Celeron® / Core™ i5 processor
- IP65-rated front panel for resistance to water and dust ingress
- Supports Advantech WISE-PaaS/RMM remote management software

(A) 16:9 true-flat widescreen

Add-on peripheral connector (MSR/IC card reader)

(C)

(D) Multiple I/O

(E) Foldable stand with dual-hinge design

(B) Small footprint stand

Key Features

Foldable stand with dual hinge

Unique mount frame attachment supports peripheral integration

Cost-effective and low-power design

Industrial-Grade Box PCs

Advantech has developed high-performance, fanless, low-power, industrial-grade box PCs that can be integrated with remote management software and cloud-based digital signage systems to support various retail and hospitality applications, such as point-of-sale, digital signage, and store management operations. These devices not only allow customer behavior data to be collected, but also facilitate improved service efficiency.

Scenarios and Applications

Intelligent POS Systems

Digital Signage Players

Self-Service Kiosks
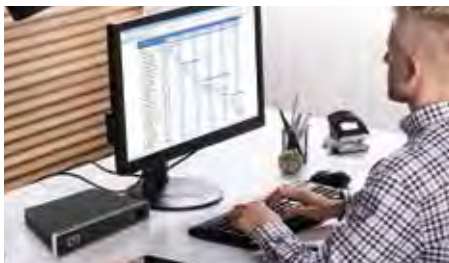
Mini Server Boxes

Kitchen Display Systems

USM-112

AR

ARM

Space Saving | Lightweight | Dual HDMI

Mini Digital Signage Player with RISC Platform

- Built-in ARM® Cortex®-A17 processor
- Supports diverse mount options for easy installation
- Dual displays at Full HD (up to 4K) resolution
- Supports Advantech WISE-PaaS/SignageCMS digital signage content management software

A Easy-access USB port

E Multiple I/O

F VESA wall-mount bracket

D Removable wall-mount bracket

C Embedded SD/ SIM card slot

B Antenna connector
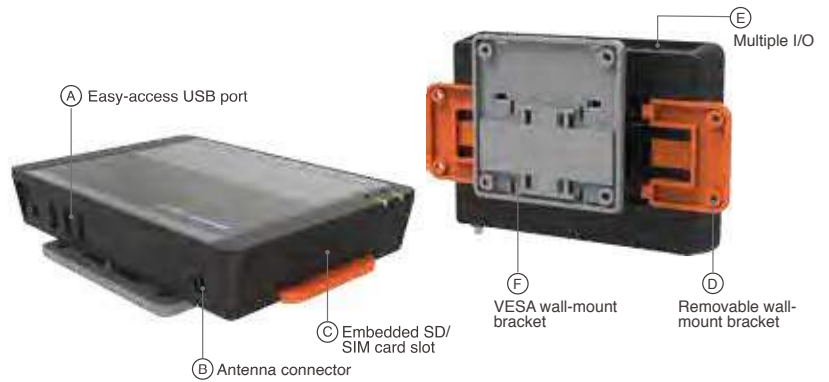
Key Features

HDMI

Supports Android OS

Dual HDMI for digital signage applications

Various I/O for digital signage applications

UBX-310

intel | Space Saving | Rich I/O | Remote Monitoring

Intelligent, Fanless POS Box System

- Fanless Intel® Celeron® J1900 / Core™ i5 processor
- Compact and slim design offers installation space savings
- Integrated with Advantech WISE-PaaS/SignageCMS digital signage software
- Supports Advantech WISE-PaaS/RMM remote management software

A USB 2.0 port

Wall-mount bracket

D

B Power button

C Power LED indicator

E I/O ports

Key Features

USB
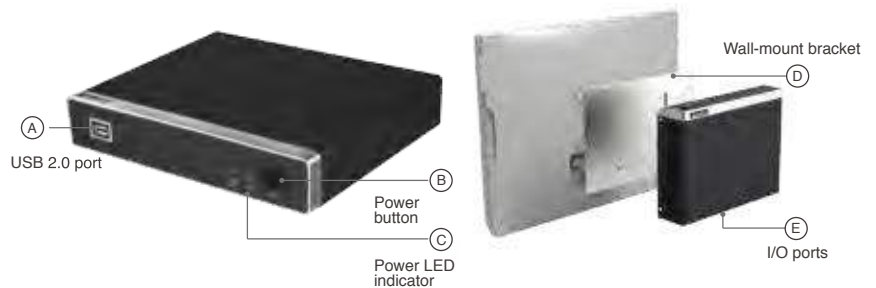
Slim and lightweight

Multiple I/O ports

Front-facing USB for easy maintenance

UPOS-540

AR

Space Saving · Power USB · Rich I/O · Remote Monitoring · AL Housing

Fanless POS Box System with Aluminum Housing

- Fanless, low-power design for high-performance computing
- Unique aluminum housing enhances heat dissipation
- Expandable I/O for diverse application demands
- Supports Advantech WISE-PaaS/RMM remote management software

Ⓐ Easy-access HDD
Ⓑ Power button
Ⓒ Front-facing USB port
Ⓓ Expandable I/O
Ⓔ Aluminum housing
Ⓕ Optional stand

Key Features

Supports diverse peripherals

Aluminum housing for superior heat dissipation

Supports 12/24 V power USB

UPOS-M15

4:3 · Slim · IP65 · Glass/PCAP/Resistive Touch

15" Bezel-Free Touch Monitor

- IP65-rated front panel for protection from water and dust ingress
- Supports 5-wire resistive/P-CAP touchscreen
- Can be combined with a box PC to serve as POS terminal

UPOS-510 can be integrated to serve as a secondary display

Supports 0 ~ 150 degree rotation

Foldable stand design

iRetail SRP Ordering Guide

UShop SRP-130 Interactive Digital Signage

Solution Type	UShop+ Signage Player	UShop+ Signage Server
	Hardware Part Number	Software Part Number
Lite	**UBX-310UDS1-G1E-C** J1900, 4 GB DDR, 500 GB HDD, 1 x VGA, 1 x HDMI	**968SPUDSS0** (UShop+ SignageCMS) interactive functions included
Lite	**UBX-310UDS1-S1E-C** J1900, 4 GB DDR, 64 GB SSD, 1 x VGA, 1 x HDMI	
Standard	**DS-570UDS1-G1E-C** J1900, 4 GB DDR, 500 GB HDD, GT730M, 1 x VGA, 2 x HDMI, 1 x DP++	
Standard	**DS-570UDS1-S1E-C** J1900, 4 GB DDR, 64 GB SSD, GT730M, 1 x VGA, 2 x HDMI, 1 x DP++	
Pro	**DS-980UDS1-G1E-C** Core i7-6700TE, 8 G RAM, 500 GB HDD, GT730, 3 x HDMI, 3 x HDMI (GT730)	
Pro	**DS-980UDS1-S1E-C** Core i7-6700TE, 8 G RAM, 64 GB SSD, GT730, 3 x HDMI, 3 x HDMI (GT730)	

UShop SRP-131 Intelligent eMenu Board

Solution Type	UShop+ eMenu Board Player	UShop+ eMenu Board Server
	Hardware Part Number	Software Part Number
Lite	**DS-080UDS1-G1E-C** J1900, 4 GB DDR, 500 GB HDD, 2 x HDMI	**968SPUDSS0** (UShop+ SignageCMS) interactive functions included
Lite	**DS-080UDS1-S1E-C** J1900, 4 GB DDR, 64 GB SSD, 2 x HDMI	
Standard	**DS-780UDS1-G1E-C** i3, 4 GB DDR, 500 GB HDD, 3 x HDMI	
Standard	**DS-780UDS1-S1E-C** i3, 4 GB DDR, 64 GB SSD, 3 x HDMI	

UShop SRP-700 Store Traffic Analytics

Solution Type	Edge Computing Device	Store BI Cloud Report	
	Hardware Part Number	Public Cloud Part Number	Private Cloud Part Number
UCAM-2D	**UCAM-120A-U01**	**968SPUSTL0** (annual license fee)	**968SPUSTS0** Max. 25 channels
UCAM-3D	**9680016713**		**968SPUSTS1** Max. 50 channels **968SPUSTS2** Max. 300 channels
Wi-Fi Analysis	**968SPUSWL0** (service activation fee)	**968SPUSWL1** (annual license fee)	**Private clouds not supported**

UShop SRP-710 Store Heatmap Analysis

Solution Type	Camera	UShop⁺ EIS	Store BI Cloud Report	
	Hardware Part Number		Public Cloud Part Number	Private Cloud Part Number
Store Heatmap Data Direct to Cloud	UCAM Heatmap UCAM-2F0A-A01		968SPUSTL0 (annual license fee)	
Heatmap 3 Channels	Fisheye IP Camera 9680017042	USHOP EIS Lite UBX-310UST-G1E-C	968SPUSTL1 (annual license fee)	968SPUSTS0: Max. 25 channels 968SPUSTS1: Max. 50 channels 968SPUSTS2: Max.300 channels
Heatmap 8 Channels		USHOP EIS Standard AIMC-342UST-G1E-C	968SPUSTL2 (annual license fee)	
Heatmap 16 Channels		USHOP EIS Pro ACP-2320UST-G1E-C	968SPUSTL3 (annual license fee)	

UShop SRP-800 POS Loss Prevention

Solution Type	Edge Computing	POS CMS	Cloud Web Server		Private Cloud Part Number
	Hardware Part Number	Software Part Number	Public Cloud Part Number		Private Cloud Part Number
Loss Prevention 3 Channel	UShop EIS Lite UBX-310UST-G1E-C	968SPULPM0 (10 user accounts)	Basic Portal 968SPULL0 (annual license fee)	Video Portal 968SPULPL1 (annual license fee)	968SPULPS0: Max. 25 devices 968SPULPS1: Max. 50 devices 968SPULPS2: Max. 300 devices
Loss Prevention 8 Channels	UShop EIS Standard AIMC-342UST-G1E-C				
Loss Prevention 16 Channels	UShop EIS Pro ACP-2320UST-G1E-C				

UTC Series of All-in-One Touch Computers

Product	UTC-315			UTC-318			UTC-320		
Description	15.6" ubiquitous touch computer			18.5" ubiquitous touch computer			21.5" ubiquitous touch computer		
Model	UTC-315D	UTC-315E	UTC-315F	UTC-318D	UTC-318E	UTC-318F	UTC-320D	UTC-320E	UTC-320F
System — CPU	Intel® Celeron® J1900	Intel® Core™ i5-4300U	Intel® Core™ i5-6300U	Intel® Celeron® J1900	Intel® Core™ i5-4300U	Intel® Core™ i5-6300U	Intel® Celeron® J1900	Intel® Core™ i5-4300U	Intel® Core™ i5-6300U
Cache	2 MB	3 MB	3 MB	2 MB	3 MB	3 MB	2 MB	3 MB	3 MB
Memory	1 x SODIMM DDR3L, 1333 MHz (up to 8 GB)		1 x SODIMM DDR4 2133 MHz (up to 16 GB)	1 x SODIMM DDR3L, 1333 MHz (up to 8 GB)		1 x SODIMM DDR4 2133 MHz (up to 16 GB)	1 x SODIMM DDR3L, 1333 MHz (up to 8 GB)		1 x SODIMM DDR4 2133 MHz (up to 16 GB)
HDD	1 x 2.5" Internal SATA HDD bay			1 x 2.5" Internal SATA HDD bay			1 x 2.5" Internal SATA HDD bay		
Display — Size	15.6" TFT LCD			18.5" TFT LCD			21.5" TFT LCD		
Max. Resolution	1366 x 768 (1920 x 1080 optional)			1366 x 768 (1920 x 1080 optional)			1920 x 1080		
Touch-screen — Type	Projected capacitive			Projected capacitive			Projected capacitive		
	Analog 5-wire resistive			Analog 5-wire resistive			Analog 5-wire resistive		
	-			-			Glass panel		
I/O Ports — USB	5 x USB 2.0 1 x USB 3.0	2 x USB 2.0 4 x USB 3.0	2 x USB 2.0 4 x USB 3.0	5 x USB 2.0 1 x USB 3.0	2 x USB 2.0 4 x USB 3.0	2 x USB 2.0 4 x USB 3.0	5 x USB 2.0 1 x USB 3.0	2 x USB 2.0 4 x USB 3.0	2 x USB 2.0 4 x USB 3.0
COM	1 x RS-232, 1 x RS-232/422/485			1 x RS-232, 1 x RS-232/422/485			1 x RS-232, 1 x RS-232/422/485		
HDMI/VGA	1			1			1		
Bus Expansion	1 x Full-size mini PCIe/mSATA			1 x Full-size mini PCIe/mSATA			1 x Full-size mini PCIe/mSATA		
Network — LAN	2 x Gigabit Ethernet (RJ45)			2 x Gigabit Ethernet (RJ45)			2 x Gigabit Ethernet (RJ45)		
OS Support	Windows 10 IoT, WES7/8, Linux, Android 4.4	Windows 10 IoT, WES7/8, Linux		Windows 10 IoT, WES7/8, Linux, Android 4.4	Windows 10 IoT, WES7/8, Linux		Windows 10 IoT, WES7/8, Linux, Android 4.4	Windows 10 IoT, WES7/8, Linux	

Product	UTC-220	UTC-232
Description	21.5" open-frame panel PC	31.5" open-frame panel PC
Model	UTC-220F	UTC-232F
System — CPU	Intel® Core™ i5-6300U	Intel® Core™ i5-6300U
Cache	3 MB	3 MB
Memory	2 x SODIMM DDR3L, 1600 MHz (up to 16 GB)	2 x SODIMM DDR3L, 1600 MHz (up to 16 GB)
HDD	1 x 2.5" Internal SATA HDD bay	1 x 2.5" Internal SATA HDD bay
Display — Size	21.5" TFT LCD	31.5" TFT LCD
Max. Resolution	1920 x 1080	1920 x 1080
Touch-screen — Type	Projected capacitive	Projected capacitive
	Analog 5-wire resistive	Analog 5-wire resistive
	Glass panel	Glass panel
I/O Ports — USB	2 x USB 2.0, 2 x USB 3.0	2 x USB 2.0, 2 x USB 3.0
COM	2 x RS-232	2 x RS-232
HDMI/VGA	1 x HDMI, 1 x VGA	1 x HDMI, 1 x VGA
Bus Expansion	1 x Full-size mini PCIe/mSATA	1 x Full-size mini PCIe/mSATA
Network — LAN	2 x Gigabit Ethernet (RJ45)	2 x Gigabit Ethernet (RJ45)
OS Support	Windows 10 IoT, WES7/8, Linux	Windows 10 IoT, WES7/8, Linux

UTC Series of All-in-One Touch Computers

	Product	UTC-510		UTC-515			UTC-520		
	Description	10.1" ubiquitous touch computer		15.6" ubiquitous touch computer			21.5" ubiquitous touch computer		
	Model	UTC-510D	UTC-510D(PoE)	UTC-515D	UTC-515E	UTC-515F	UTC-520D	UTC-520E	UTC-520F
System	CPU	Intel® Atom™ E3825/Celeron® J1900	Intel® Celeron® N2807/J1900	Intel® Celeron® J1900	Intel® Core™ i5-4300U	Intel® Core™ i5-6100U	Intel® Celeron® J1900	Intel® Core™ i5-4300U	Intel® Core™ i5-6300U
	Cache	1 MB/2 MB		2 MB	3 MB	3 MB	2 MB	3 MB	3 MB
	Memory	1 x SODIMM DDR3L, 1066/1333 MHz (up to 8 GB)		1 x SODIMM DDR3L, 1333 MHz (up to 8 GB)	1 x SODIMM DDR3L, 1333/1600 MHz (up to 8 GB)	2 x SODIMM DDR3L, 1600 MHz (up to 16 GB)	1 x SODIMM DDR3L, 1333 MHz (up to 8 GB)	1 x SODIMM DDR3L, 1333/1600 MHz (up to 8 GB)	2 x SODIMM DDR3L, 1600 MHz (up to 16 GB)
	HDD	1 x 2.5" Internal SATA HDD bay		1 x 2.5" Internal SATA HDD bay			1 x 2.5" Internal SATA HDD bay		
Display	Size	10.1" TFT LCD		15.6" TFT LCD			21.5" TFT LCD		
	Max. Resolution	1280 x 800		1366 x 768 (1920 x 1080 optional)			1920 x 1080		
Touch-screen	Type	Projected capacitive		Projected capacitive			Projected capacitive		
		-		Analog 5-wire resistive			Analog 5-wire resistive		
		Glass panel		Glass panel			Glass panel		
I/O Ports	USB	1 x USB 2.0, 1 x USB 3.0	3 x USB 2.0, 1 x USB 3.0	3 x USB 2.0, 1 x USB 3.0	2 x USB 2.0, 2 x USB 3.0	2 x USB 2.0, 2 x USB 3.0	3 x USB 2.0, 1 x USB 3.0	2 x USB 2.0, 2 x USB 3.0	2 x USB 2.0, 2 x USB 3.0
	COM	2 x RS-232		2 x RS-232			2 x RS-232		
	HDMI/VGA	1 x VGA	1 x HDMI	1 x HDMI, 1 x VGA			1 x HDMI, 1 x VGA		
	Bus Expansion	2 x Half-size mini PCIe/mSATA	1 x Full-size, 1 x Half-size mini PCIe/mSATA	1 x Full-size mini PCIe/mSATA			1 x Full-size mini PCIe/mSATA		
Network	LAN	1 x RJ45	2 x RJ45	2 x Gigabit Ethernet (RJ45)			2 x Gigabit Ethernet (RJ45)		
	OS Support	Windows 10 IoT, WES7/8, Linux Ubuntu 14.04, Android 4.4		Windows 10 IoT, WES7/8, Linux, Android 4.4	Windows 10 IoT, WES7/8, Linux		Windows 10 IoT, WES7/8, Linux, Android 4.4	Windows 10 IoT, WES7/8, Linux	

	Product	UTC-532			UTC-542	
	Description	31.5" ubiquitous touch computer			42.5" ubiquitous touch computer	
	Model	UTC-532D	UTC-532E	UTC-532F	UTC-542D	UTC-542F
System	CPU	Intel® Celeron® J1900	Intel® Core™ i5-4300U	Intel® Core™ i5-6300U	Intel® Celeron® J1900	Intel® Core™ i5-6300U
	Cache	2 MB	3 MB	3 MB	2 MB	3 MB
	Memory	1 x SODIMM DDR3L, 1333 MHz (up to 8 GB)	1 x SODIMM DDR3L, 1333/1600 MHz (up to 8 GB)	2 x SODIMM DDR3L, 1600 MHz (up to 16 GB)	1 x SODIMM DDR3L, 1333 MHz (up to 8 GB)	2 x SODIMM DDR3L, 1600 MHz (up to 16 GB)
	HDD	1 x 2.5" Internal SATA HDD bay			Dual swappable 2.5" HDD/SSD slots	
Display	Size	31.5" TFT LCD			42.5" TFT LCD	
	Max. Resolution	1920 x 1080			1920 x 1080	
Touch-screen	Type	Projected capacitive			Projected capacitive	
		-			Mirror projected capacitive	
		Glass panel			Mirror glass (no touch function)	
I/O Ports	USB	3 x USB 2.0, 1 x USB 3.0	2 x USB 2.0, 2 x USB 3.0	2 x USB 2.0, 2 x USB 3.0	3 x USB 2.0, 1 x USB 3.0	2 x USB 2.0, 2 x USB 3.0
	COM	2 x RS-232			2 x RS-232	
	HDMI/VGA	1 x HDMI, 1 x VGA			1 x HDMI, 1 x VGA	
	Bus Expansion	1 x Full-size mini PCIe/mSATA			1 x Full-size mini PCIe/mSATA	
Network	LAN	2 x Gigabit Ethernet (RJ45)			2 x Gigabit Ethernet (RJ45)	
	OS Support	Windows 10 IoT, WES7/8, Linux, Android 4.4	Windows 10 IoT, WES7/8, Linux		Windows 10 IoT, WES7/8, Linux, Android 4.4	Windows 10 IoT, WES7/8, Linux

UTC Series of All-in-One Touch Computers

		UTC-720 series		UTC-750 Series
Product		UTC-720 series		UTC-750 Series
Description		21.5" all-in-one kiosk	31.5" all-in-one kiosk	21.5" all-in-one kiosk
Model		UTC-722F	UTC-723F	UTC-752F
System	CPU	Intel® Core™ i5-6300U	Intel® Core™ i5-6300U	Intel® Core™ i5-6300U
	Cache	3 MB	3 MB	3 MB
	System Memory	2 x SODIMM DDR3L, 1600 MHz (up to 16 GB)	2 x SODIMM DDR3L, 1600 MHz (up to 16 GB)	2 x SODIMM DDR3L, 1600 MHz (up to 16 GB)
	HDD	1 x 2.5" internal SATA HDD bay	1 x 2.5" internal SATA HDD bay	1 x 2.5" internal SATA HDD bay
Display	Size	21.5" TFT LCD	31.5" TFT LCD	21.5" TFT LCD
	Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1080
Touch-screen	Type	Projected capacitive	Projected capacitive	Projected capacitive
		Analog 5-wire resistive	Analog 5-wire resistive	Analog 5-wire resistive
		Glass panel	Glass panel	Glass panel
I/O Ports	USB	2 x USB 2.0, 2 x USB 3.0		
	COM	2 x RS-232		
	HDMI/VGA	1 x HDMI, 1 x VGA		
	Bus Expansion	1 x Full-size mini PCIe/mSATA	1 x Full-size mini PCIe/mSATA	1 x Full-size mini PCIe/mSATA
Network	LAN	2 x Gigabit Ethernet (RJ45)		
Mounting	VESA	200 x 200 mm/7.87 x 7.87 in	200 x 200 mm/7.87 x 7.87 in	100 x 100 mm/3.93 x 3.93 in
OS Support		Windows 10 IoT, WES7/8, Linux		
Peripherals		NFC reader (EMV L1-L2), pin pad (EMV L1-L2), chip and magnetic stripe reader (EMV L1-L2), thermal printer, 1D/2D barcode scanner		

UTC Series Peripherals and Installation Accessories

Peripherals	Magnetic Stripe Reader	NFC/RFID Reader	Smart Card Reader	1D/2D Barcode Reader	5MP Camera Module	Fingerprint Scanner	iBeacon
UTC-510/542 Series	UTC-510/542P-M	UTC-510/542P-R	UTC-510/542P-S	UTC-510/542P-B	UTC-510/542P-C	UTC-510/542P-F	
UTC-515/520/532 Series	UTC-P02	UTC-P03	UTC-P06	UTC-P07	UTC-P01	UTC-P09	UTC-P08
UTC-300 Series	UTC-300P-M	UTC-300P-R	UTC-300P-S	UTC-300P-B	UTC-300P-C		

Installatoin Accessories

Wall Mount Kit

UTC-WALL-MOUNT1E UTC-WALL-MOUNT2E UTC-WALL-MOUNT3E UTC-WALL-MOUNT4E

Table Stand

UTC-520-STAND1E UTC-S01-STAND UTC-S03-STANDE UTC-300P-D

Floor Stand

UTC-T01-STANDE UTC-H01-STANDE

Intelligent POS/Box PCs

	Model	UPOS-211	UPOS-211 AVALO	UPOS-510
System	CPU	Intel® Celeron® J1900/Core™ i3/i5	Intel® Celeron® J1900/Core™ i3/i5	Intel® Celeron® J1900/Core™ i3/i5
	OS	Windows 10 IoT Enterprise, Win 7/8 Pro, POSReady 7, Linux Kernel 3.13, Android 4.4	Windows 10 IoT Enterprise, Win 7/8 Pro, POSReady 7, Linux Kernel 3.13, Android 4.4	Windows 10 IoT Enterprise, Win 7, POSReady 7, Linux Kernel 3.13, Android 4.4
Storage	HDD	1 x 2.5" SATA HDD/SSD bay	1 x 2.5" SATA HDD/SSD bay	1 x 2.5" SATA HDD/SSD bay
	mSATA	Yes	Yes	Yes
Display	Size	15" TFT LCD (1024 x 768)	15" TFT LCD (1024 x 768)	15" TFT LCD (1024 x 768)
	Brightness	250 cd/m²	250 cd/m²	250 cd/m²
	Touchscreen	5-wire resistive/P-CAP	5-wire resistive/P-CAP	P-CAP
External I/O	COM	2 x COM (up to 5 max.)	2 x COM (up to 5 max.)	2 x COM
	USB	1 x USB 3.0, 2 x USB 2.0 (up to 7 x USB 2.0 max.)	1 x USB 3.0, 2 x USB 2.0 (up to 7 x USB 2.0 max.)	1 x USB 3.0, 2 x USB 2.0 (up to 7 x USB 2.0 max.)
	Output	1 x VGA/DP	1 x VGA/DP	1 x VGA or HDMI
	Ethernet	1 x RJ45	1 x RJ45	1 x RJ45
	Cash Drawer	1 x RJ11 (12/24 V)	1 x RJ11 (12/24 V)	1 x RJ11 (12/24 V)
	Audio	1 x line out, 1 x mic in	1 x line out, 1 x mic in	1 x line out, 1 x mic in
	Speaker	1 x 2W speakers	1 x 2W speakers	1 x 2W speakers
OS Support Kiosk	Secondary Display	• VFD • 7"/10.1" TFT LCD (rear) • 12"/15" TFT LCD (pole)	• VFD • 7"/10.1" TFT LCD (rear) • 15" TFT LCD (pole)	• VFD • 7"/10.1" TFT LCD (rear) • 12"/15" TFT LCD (pole)
	Peripherals	MSR, MSR + fingerprint scanner, MSR + RFID, MSR + iButton, MSR + IC card reader	MSR, MSR + fingerprint scanner, MSR + RFID, MSR + iButton, MSR + IC card reader	MSR, MSR + fingerprint scanner, MSR + RFID, MSR + iButton, MSR + IC card reader
Connectivity		Wi-Fi (802.11b/g/n) or Bluetooth	Wi-Fi (802.11b/g/n) or Bluetooth	Wi-Fi (802.11b/g/n) or Bluetooth
Color		orange/black/white	orange/black/white	orange/black/white
IP Rating		IP65 (front panel)	IP65 (front panel)	IP65 (front panel)
Dimensions/Weight		354 x 327 x 237 mm/5.2 kg	354 x 285 x 324 mm/5 kg	354 x 197 x 384 mm/6.5 kg

	Model	UTC-315P	UTC-318P
System	CPU	Intel® Celeron® J1900/Core™ i5	Intel® Celeron® J1900/Core™ i5
	OS	Windows 10 IoT Enterprise, Win 7, POSReady 7	Windows 10 IoT Enterprise, Win 7, POSReady 7
Storage	HDD	1 x 2.5" SATA HDD/SSD bay	1 x 2.5" SATA HDD/SSD bay
	mSATA	Yes	Yes
Display	Size	15.6" TFT LCD (1024 x 768)	18.5" TFT LCD (1024 x 768)
	Brightness	200 cd/m²	250 cd/m²
	Touchscreen	5-wire resistive/P-CAP	5-wire resistive/P-CAP
External I/O	COM	2 x COM	2 x COM
	USB	1 x USB 3.0, 3 x USB 2.0 (up to 4 x USB 3.0 max.)	1 x USB 3.0, 3 x USB 2.0 (up to 4 x USB 3.0 max.)
	Output	1 x VGA/HDMI	1 x VGA/HDMI
	Ethernet	1 x RJ45	1 x RJ45
	Cash Drawer	1 x RJ11 (12/24V)	1 x RJ11 (12/24V)
	Audio	1 x Line out, 1 x mic in	1 x Line out, 1 x mic in
	Speaker	2 x 1W speaker	2 x 1W speaker
Expansion Options	Secondary Display	• VFD • 7"/10.1" TFT LCD (rear) • 15" TFT LCD (pole)	• VFD • 7"/10.1" TFT LCD (rear) • 15" TFT LCD (pole)
	Peripherals	MSR, IC card reader, NFC reader, barcode scanner, camera	MSR, IC card reader, NFC reader, barcode scanner, camera
Connectivity		-	-
Color		black/white	black/white
IP Rating		IP65 (front panel)	IP65 (front panel)
Dimensions/Weight		401 x 327 x 43.5 mm/ 6.5kg	475 x 400 x 43.5 mm/ 6.5kg

Intelligent POS/Box PCs

	Model	UPOS-540	UBX-310	USM-112
System	CPU	Intel® Celeron® J1900/3955U/Core™ i3/i5	Intel® Celeron® J1900/Core™ i3/i5	ARM® Cortex®-A17 quad-core, up to 1.8 GHz
	OS Support	Windows 10 IoT Enterprise, Win 7, POSReady 7, Android 4.4	Windows 10 IoT Enterprise, Win 7/8	Android 6.0
Memory		-	-	2G
Storage	HDD	1 x 2.5" SATA HDD/SSD bay	1 x 2.5" SATA HDD/SSD bay	EMMC 16 GB + micro SD expansion slot
	mSATA	Yes	Yes	-
Display	Max. Resolution	1920 x 1200	1920 x 1200	3840 x 2160 (4K)
External I/O	Serial Port	4 x COM (up to 6 max.)	3 x COM	1 x COM
	USB Port	4 x USB 2.0 (up to 6 x USB 2.0 max.)	5 x USB 2.0	1 x OTG USB, 2 x USB 2.0
	Output	1 x VGA/DP	2 x VGA, 1 x HDMI 1 x VGA, 2 x HDMI	2 x HDMI
	Ethernet	1 x RJ45	1 x RJ45	1 x RJ45
	Cash Drawer	1 x RJ11 (12/24 V)	1 x RJ11 (12/24 V)	1 x RJ11 (12/24 V)
	12 V Connector	1 x 6A for power USB 1 x 1A for secondary display	-	-
	Audio	1 x line out, 1 x mic in	1 x line out, 1 x mic in	1 x line-out
	Printer Port	Optional	Optional	-
	Others	-	-	2 x LED Inndicators, 1 x SD Slot
Extension		1 x mini PCIE	2 x mini PCIE	1 x mini PCIE (3G/4G)/1 x M.2 (Wi-Fi)
Optional Modules	Peripherals	10.1/15" TFT LCD (touch/non-touch)/ cash drawer/printer	10.1/15" TFT LCD (touch/non-touch)/ cash drawer/printer	-
Mounting	Mount Options	Stand, wall, pole	Stand, wall, pole	Stand, wall, pole
Color		Black	Black	Black
Dimensions/Weight		235 x 164 x 64 mm/2.5 kg	245 x 185 x 45 mm/2.0 kg	155.8 x 120 x 31 mm/1.0 kg

UPOS/Box PC Peripherals

Peripherals	MSR
Add-On Peripherals	

Peripherals	SR + iButton
Add-On Peripherals	

Peripherals	MSR + RFID
Add-On Peripherals	

Peripherals	MSR + Fingerprint Scanner
Add-On Peripherals	

Peripherals	MSR + IC Card Reader
Add-On Peripherals	

Peripherals	Barcode Scanner
Add-On Peripherals	

Peripherals	10.1" Monitor
Model	• 10.1" LCD monitor (1024 x 768) • 200 cd/m² • 240 x 270 x 606 mm • 3.6 kg

Peripherals	15" Touch Monitor
Model	• 15" TFT LCD (1024 x 768) • 250 cd/m² • 278 x 354 x 53 mm

Peripherals	Printer
Model	• 24 V^{DC}/1.75A • Speed 300 mm/sec • Width 72 mm (512 dots/line) • 152 x 204 x 159 mm • 1.7 kg

Peripherals	Cash Drawer
Model	• RJ-11 port • 12/24 V (optional) • 420 x 420 x 91 mm • 7.35 kg

Mobile Tablet System

	Model	AIM-35	AIM-37	AIM-38
System	CPU	Intel® Atom™ X5-Z8350	Intel® Atom™ X5-Z8350	Intel® Atom™ X7-Z8750
	OS Support	Windows 10 IoT Enterprise, Android 6.0	Windows 10 IoT Enterprise, Android 6.0	Windows 10 IoT Enterprise, Android 6.0
	Memory	2 GB	2 GB	4 GB
	Storage	32/64 GB	32 GB	32/64 (default)/128 GB
Display	Size/Type	8" IPS TFT color LCD	10" IPS TFT color LCD	10" IPS TFT color LCD
	Glass Type	Corning® Gorilla® Glass 3 (directly bonded)	Corning® Gorilla® Glass 3 (directly bonded)	Corning® Gorilla® Glass 3 (directly bonded)
	Resolution	WXGA (1200 x 1920)	WXGA (1280 x 800)	FHD LCD (1920x1200)
	Brightness	400 cd/m^2	350 cd/m^2	380 cd/m^2 (800 cd/m^2 optional)
	Touchscreen	10-point capacitive multi-touch with glove mode	10-point capacitive multi-touch with glove mode	10-point capacitive multi-touch with glove mode
External I/O		1 x micro SD (up to 128 GB), 1 x micro USB 3.0 (OTG), 1 x micro HDMI, 1 x AIM dock 16-pin pogo connector, 1 x AIM extension 14-pin pogo connector	1 x micro SD (up to 128 GB), 1 x micro USB 2.0 (OTG), 1 x 6-pin pogo connector (with USB 2.0 and DC in), 1 x Kensington lock, 1 x micro SIM (optional)	1 x USB 3.0, 1 x micro HDMI, 1 x micro SD + SIM slot, 1 x AIM dock 16-pin pogo connector, 1 x AIM extension 14-pin pogo connector, 1 x DC-in jack
Function Buttons		1 x power button, 1 x programmable function button, 2 x volume control buttons	1 x power button, 1 x programmable function button, 2 x volume control buttons (optional)	1 x power button, 1 x programmable function button, 2 x volume control buttons
Communication	WLAN	Internal 802.11 a/b/g/n	Internal 802.11 a/b/g/n (ac is optional)	Internal 802.11 a/b/g/n/ac
	Bluetooth	Bluetooth 4.0 BLE	Bluetooth 4.0 BLE	Bluetooth 4.0 BLE
	GPS	AGPS, GNSS (optional)	AGPS, GNSS (optional)	Beidou (Optional)
	WWAN	Internal 4G/3G mode (optional)	Internal 4G/3G mode (optional)	Internal 4G/3G mode (optional)
	NFC	13.56 MHz, ISO 14443 type A/B, ISO/IEC 15693, MIFARE, FeliCa	13.56 MHz, ISO 14443 type A/B, ISO/IEC 15693, MIFARE, FeliCa	13.56 MHz, ISO 14443 type A/B, ISO/IEC 15693, MIFARE, FeliCa
	MSR	3-track MSR (optional)	3-track MSR (optional)	3-track MSR (Optional module)
	IC Card Reader	5 V smart card (optional)	5 V smart card (optional)	5 V smart card (optional)
Color		black/orange	black/orange	black/orange
Battery		5060 mAh	7900 mAh	7900mAH Hot-Swappable with capacity LED indicators
Dimensions		142 x 239 x 14.5 mm	290 x 176 x 17.4 mm	290 x 176 x 17.4 mm
Weight		800 g	900 g	930 g

MPOS/Tablet Peripherals

Model	AIM-P502	Model	AIM-P505	Model	AIM-P705
Description	Basic charger	Description	6-in-1 multi-bay charging station	Description	10-in-1 multi-bay charging station
LED Indicator	Orange (LED light emitted when tablet is docked)	LED Indicator	Orange (LED light emitted when tablets are docked)	LED Indicator	Orange (LED light emitted when tablets are docked)
Charge Method	Via pogo pin	Charge Method	Via pogo pin	Charge Method	Via pogo pin
Max. Charging Power	5 V/3A	Max. Charging Power	5 V/3A	Max. Charging Power	5 V/3A
Max. Tablet Thickness	34 mm	Max. Tablet Thickness	34 mm	Max. Tablet Thickness	34 mm
Dimensions	180 x 140 x 120 mm (charger only) 180 x 290 x 250 mm (with tablet)	Dimension	373.6 x 250 x 126 mm (charger only) 373.6 x 250 x 247 mm (with tablet)	Dimension	374.4 x 251.5 x 133.6 mm (charger only) 374.4 x 293.6 x 254.5 mm (with tablet)
Power Supply	110 ~ 250 VAC, 240W	Power Supply	110 ~ 250 VAC, 240W	Power Supply	110 ~ 250 VAC, 240W
Application Scope	AIM-35/37	Application Scope	AIM-35	Application Scope	AIM-37

Mobile POS System

Model		MPOS-350	MPOS-370
System	CPU	Intel® Atom™ X5-Z8350	Intel® Atom™ X5-Z8350
	OS Support	Windows 10 IoT Enterprise, Android 6.0	Windows 10 IoT Enterprise, Android 6.0
	Memory	2/4 GB	2/4 GB
Storage		32/64 GB	32/64 GB
Display	Size/Resolution	8" TFT IPS LCD panel/ WXGA (1200 x 1920)	10" IPS TFT LCD panel/ WXGA (1200 x 1920)
	Brightness	400 cd/m²	350 cd/m²
	Touchscreen	Corning® Gorilla® Glass 3 with 10-point capacitive multi-touch and glove mode	Corning® Gorilla® Glass 3 with 10-point capacitive multi-touch and glove mode
External I/O		1 x micro SD (up to 128 GB), 1 x micro USB 3.0 (OTG), 1 x micro HDMI, 1 x AIM dock 16-pin pogo connector, 1 x AIM extension 14-pin pogo connector, 2 x USB 2.0 (type A), 2 x COM (RJ48), 1 x cash drawer (RJ11)	1 x micro USB 2.0 (OTG), 1 x 6-pin pogo connector (with USB 2.0 and DC in), 1 x Kensington lock, 1 x micro SIM (optional), 2 x USB 2.0 (type A), 2 x COM (RJ48), 1 x cash drawer (RJ11)
Function Buttons		1 x power button, 1 x programmable function button, 2 x volume control/open door/feed paper buttons	1 x power button, 1 x programmable function button, 2 x volume control/open door/feed paper buttons (optional)
Communication	WLAN	Internal 802.11 a/b/g/n	Internal 802.11 a/b/g/n (a/c optional)
	Bluetooth	Bluetooth 4.0 BLE	Bluetooth 4.0 BLE
	GPS	AGPS, GNSS (optional)	AGPS, GNSS (optional)
	WWAN	Internal 4G/3G mode (optional)	Internal 4G/3G mode (optional)
	NFC	13.56 MHz, ISO 14443 type A/B, ISO/IEC 15693, MIFARE, FeliCa	-
	MSR	3-track MSR (external module)	3-track MSR
	IC Card Reader	5 V smart card (external module)	5 V smart card
Color		black, orange	black, orangee
Battery		5600 mAh	7900 mAh
Dimensions		Tablet: 142 x 239 x 14.5 mm Cradle: 151 x 152 x 318 mm	Tablet: 290 x 176 x 17.4 mm Cradle: 151 x 152 x 318 mm
Weight		Tablet: 800 g Cradle: 2 kg	Tablet: 900 g Cradle: 2 kg

Model	AIM-P701A0
Description	Printer cradle
Swivel Range	80-degree rotation
Pogo Pin	USB 2.0 5 V/3A charger
Paper Width	80/58 mm 3.14/2.28 in
Paper Roll	Diameter: 70 mm
Printing Speed	200 mm/sec
Paper Cutter	Auto cut
Buttons	Open door, feed paper
LEDs	Power, error indicators
I/O Ports	1 x DC in, 2 x USB 2.0 (type A), 2 x COM (RJ48), 1 x cash drawer (RJ11)
Dimensions	151 x 152 x 318 mm
Operating Temperature	0 ~ 40 °C/32 ~ 104 °F
Storage Temperature	-10 ~ 60 °C/14 ~ 140 °F
Operating Humidity	5 ~ 95%, non-condensing
Applicable Scope	AIM-37

MPOS/Tablet Peripherals

Hand/Shoulder Strap			Wall Mount Kit	
AIM-35		AIM-37	AIM-35	AIM-37

| M-SRP0-0000 Scope | AIM-SRP0-0001 | AIM-P702 | AIM-P503 | AIM-P703 |

Model	AIM-P704	AIM-P511A0	AIM-EXTO-0046	AIM-BAT0-0252
Description	Active stylus	• 20 degree 2D barcode scanner • Color: Black • Dimensions: 130.2 x 38.7 x 27.8 mm • Weight: 0.042 kg	• LAN + COM module • Color: Black • Dimensions: 130.2 x 70 x 29 mm • Weight: 0.078 kg	• Battery with meter (1 pcs) • Color: Black • Dimensions: 98 x 84.5 x 6.5 mm • Weight: 0.104 kg
Application Scope	AIM-35/37	AIM-35	AIM-35	AIM-35

Advantech iRetail App

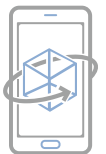## Get the iRetail App

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