Please verify specifications before ordering. The information in this guide is intended for reference purposes only. All products specifications are subject to change without notice. No part of this publication may be reproduced in any form or by any means, including electronically, by photocopying, recording, or otherwise, without the prior written permission of the publisher. All brand and product names are trademarks or registered trademarks of their respective companies. © Advantech Co., Ltd. 2019
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 Feedback System
- Queuing Management

**Computing Platforms**
- Intelligent Multimedia Player
- Interactive Digital Signage
- Self-Service Kiosk

**IoT Devices**
- Camera
- MSR
- RFID Reader
- Barcode Scanner
- Smart Card Reader
Open application programming interfaces
- Store performance analytics
- Cross-data analysis
- Mobile management

POS Loss Prevention

Refrigeration and Food Temperature Monitoring

Energy and Environment Management

Store Heatmap Analysis

Store Traffic Analysis

Intelligent POS
Mobile POS
Handheld Tablet
Store Server

iBeacon
Fingerprint Reader
3-in-1 Payment Module
iButton
Printer
Indoor Air Quality Sensor
Smart Counting Camera

Operation Management

Business Management

Customer Engagement
Operation Management
Business Management
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.
UShop+ Architecture

User-Defined BI Dashboard

Manage Multiple Stores Using a Single Device

Solution Integration

Data/Control APIs

Integrated SaaS/DaaS APIs

Operation Integration

Intelligent Service

SI Alliance/Co-Creation (OT)

POS/CRM Integration

Data Analysis

Employee Management

Customer Engagement

User-Defined BI Dashboard

Manage Multiple Stores Using a Single Device
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.

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
WISE-PaaS/SignageCMS
Interactive Content Creator for Signage Applications

WISE-PaaS/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
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.

**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
WISE-PaaS/SignageCMS
Cloud-Based Design Software for eMenu Boards

WISE-PaaS/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
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.

**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
SOFTWARE FEATURES

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.
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.

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.

SOFTWARE FEATURES

- Regional Heatmap Overview
- Detailed Zone Analysis
- Easy Mobile Management

SYSTEM ARCHITECTURE

Mobile Access

Data Analytics

Public Cloud

Private Cloud

Data Transmitted Direct to the Cloud

Data Transmitted to the Cloud via EIS

UShop+ Store Edge Intelligence Server

- Lite (3CH) Best for single store or small retail shop
- Standard (8CH) Best for chain supermarkets or hypermarkets
- Pro (12CH) Best for large scale shopping malls

UCAM Smart Heatmap

Fisheye IP Camera
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.

**USER BENEFITS**

- Payment Transaction Recording and Monitoring
- Pre-Defined Criteria for Abnormal POS Transactions
- Analysis of Business Intelligence
- Reports Delivered to Mobile Devices
UShop\textsuperscript{+} Store SENSE

Store Management Software for Improving Operational Efficiency

UShop\textsuperscript{+} 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\textsuperscript{+} 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.

**SOFTWARE FEATURES**

- **Instant Notifications of Abnormal Operations**
- **Quick Query and Analysis of Abnormal Transactions**
- **Key Business Metrics, Reports, and Dashboards**

**SYSTEM ARCHITECTURE**

- HQ Operation
- Audi/Store Manager
- Data & Service Integration
  - NVR Integration
  - POS Data Integration
  - Exceptional Event Analytics
  - Event Management

**SOFTWARE FEATURES**

- **Lite**: 3 channels
- **Standard**: 8 channels
- **Pro**: 16 channels
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.

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.
85 °C Bakery

To ensure unified and centralized management from headquarters, 85°C 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 Edge Computing

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

10-42” 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
- Low-power, fanless system design
- Supports both portrait and landscape display modes

10-55” Open Frame, All-in-One PC with 16:9 LCD

The compact, slim design and 16:9 widescreen display provides enhanced installation flexibility and complements the system’s sleek and stylish appearance.

Single-Unit, Open Frame Design for Easy System Integration and Installation

Aimed at diverse embedded applications, the UTC-200 series features an open-frame bracket and single-unit system design which allow it to be easily embedded into any kiosk, cabinet, or wall mount.

Excellent Performance and Multiple OS Support

Powered by the latest Intel® processor, UTC-200 series delivers excellent computing performance. The UTC-200 series also supports multiple OS that further increasing the system’s overall compatibility and flexibility.

Rugged and Durable Touchscreen

UTC-200 series equipped with an IP65-rated a front panel for water and dust protection, conforming to environmental specifications for industrial and commercial operation environments.
UTC-300 Series
Stylish, Lightweight, All-in-One Touch Computers

UTC-300 Series offer flexibility for stand-alone, panel, or VESA mount installation to support a wide range of applications. The removable frame design enables convenient recessed-wall mounting.

UTC-300 series supports a wide input voltage range (12 ~ 30 V) to ensure installation flexibility in any commercial and industrial environment. Various I/O ports provide greater device connection and digital data transfer.

The pre-perforated removable docking station sections on all four sides enable easy integration for diverse peripherals that allow it to extend system functionality.

Compact, Fanless System with Powerful Performance

Powered by the latest Intel® processor, UTC-300 series deliver superior computing performance in a compact, fanless system design, and supports multiple OS for diverse applications.

Flexible Installation with Removable Frame Design

Wide Input Voltage and Variable I/O Ports

High Expandability with Rich Peripheral Support

Color Options: White Black
UTC-307
7" Slim and Compact
All-in-One Touch Computer

- 7" monitor with 16:9 widescreen display
- Built-in Intel® Celeron® N3350/Pentium® N4200
- Fanless, low power system
- Supports swappable HDD/SSD slot (optional)
- Supports PoE technology (optional)
- IP65-rated front panel for water and dust resistance

UTC-310
10.1" Slim and Versatile
All-in-One Touch Computer

- 10.1" monitor with 16:10 widescreen display
- Built-in Intel® Celeron® N3350/Pentium® N4200
- Fanless, low power system
- Supports PoE technology (optional)
- IP65-rated front panel for water and dust resistance
- Removable frame design for panel mount applications

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

Removable frame design for flexible installation
Instant swappable storage slot
Green and red LED indicators (optional)

Barcode reader
Swappable HDD/SSD slot for quick system maintenance
Built-in 2D barcode reader (optional)
Green and red LED indicators (optional)

IP65-rated front panel for water and dust resistance
Removable frame design for flexible installation
Various peripherals for diverse applications
UTC-500 Series
Rugged, Expandable, All-in-One Touch Computers

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
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 Member 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

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

Key Features
- Supports a secondary monitor for multimedia displays
- Integrated payment facility with LED light for convenient use
- Flexible installation with multiple stand types
UTK-500 Series

21.5/31.5” Modular All-in-One Self-Service Kiosk

Integrated into a slim steel chassis, providing a stylish and neat double-unit solution which can customize component for self-service kiosk applications.

UTK-500 series supports several display with standard VESA mounting holes. It also provides dual-use presentment for landscape mode and portrait mode which is easy to install and fully customizable to fit diverse needs of business environment.

The UTK-500 series integrates various components in an optimized combination to provide outstanding versatility and to save much space for business owners as well as time consumption which also boarden the system functionalities for a wide spectrum of applications.

Equipped with latest Intel processor, UTK-500 series delivers high-performance computing. It also supports multiple OS, further increasing the system’s overall compatibility and flexibility.
- 21.5/31.5” monitor with 16:10 widescreen and Full-HD display
- Built-in Intel® Core™, Celeron®, and Pentium® processor
- Fanless, low power system
- Supports both landscape and portrait screen orientation
- Screen Type: P-Cap touch/Resistive touch/Glass (no touch function)
- IP65-rated front panel for water and dust resistance
- Supports Advantech WISE-PaaS/RMM remote management software

Flexible Peripheral Layout with Modular Design

A Wide Range of Peripherals for Diverse Applications

Flexible Installation with Standard VESA
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**

8” 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

**Key Features**

- Touchscreen supports gloved operation
- Supports EMV-certified payment modules
- Supports diverse modular peripherals

---

**AIM-38**

Industrial-Grade Mobile Tablet

- Built-in Intel® Atom™ X5-Z830 processor with multiple OS
- Support brightness up to 800 nits for outdoor application
- Real-time data transmissions via 4G LTE/Wi-Fi/Bluetooth
- Support optional expandable peripherals for enhanced functionality

**Key Features**

- Hot-swappable battery design
- High-brightness and directly bonded touchscreen design
- Supports diverse modular peripherals

---

**AIM-37**

10” Multi-Functional 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

**Key Features**

- Directly bonded touchscreen for enhanced visibility
- Built-in MSR and 1D/2D barcode scanner
- Supports Android and Windows OS
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
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

Key Features
Embedded receipt printer
Supports EMV-certified payment modules
Various I/O interface for different applications

MPOS-370
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

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
- 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
- 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

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
- Supports automatic charging and USB cable management
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
Avalo Family

Infinite Possibilities, Unlimited Combinations

With innovative expendable Avalo stand, Avalo POS systems conveniently combine with all-in-one computer and VFD or secondary display, which creates infinite possibilities for diversified applications in retail and hospitality industries.

Avalo own high expandability with various peripheral support. Easily extend functions by built-in camera and RFID, or combining with rich peripheral, include MSR, iButton, barcode scanner, that meet varieties of applications and customer demands.

Aim to offer friendly user experience, Avalo Family members are designed for easily replacing rear cover and maintaining key module, which greatly saves maintenance time and cost.
**USC-250**

15" Slim, High-Performance POS System

- Built in Intel® Celeron 3955U/ Core i3-6100U/ i5-6300U processor
- Ultra-slim and LED backlight panel design with PCAP touch
- Low power consumption and fanless operation design
- Support VFD, USC-M3/M6 and various monitors as 2nd display
- Easy peripheral mount design integrated
- Rich I/O and peripherals for diverse applications
- Supports Advantech WISE-PaaS/RMM remote management software

**Key Features**

- Modularized LEGO design for flexible installation
- Easy replacement and maintenance design
- Adjustable secondary display

---

**USC-130/160**

11.6” /15.6” Android POS System

- Supports Android 6.0/Linux OS
- 16:9 widescreen with P-cap
- Diverse peripheral design (MSR, ibutton and barcode scanner)
- IP65-rated front panel for water and dust resistance
- Expendable I/O design for various applications
- Supports panel mount, wall mount and VESA mount
- Supports Advantech WISE-PaaS/RMM remote management software

**Key Features**

- Built in Camera and RFID optional
- Ultra-slim and compact design
- Easy cable maintenance

---

**USC-225**

15" Slim, High-Performance POS System

- Supports Android 6.0/Linux OS
- 16:9 widescreen with P-cap
- Diverse peripheral design (MSR, ibutton and barcode scanner)
- Low power consumption and fanless operation design
- Support VFD, USC-M3/M6 and various monitors as 2nd display
- Easy peripheral mount design integrated
- Rich I/O and peripherals for diverse applications
- Supports Advantech WISE-PaaS/RMM remote management software

**Key Features**

- Modularized LEGO design for flexible installation
- Easy replacement and maintenance design
- Adjustable secondary display
UPOS-211
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

Key Features
- Dual-hinge design
- Supports secondary displays
- Easy-access USB port
- IP65-rated front panel
- Modular peripherals
- Power button
- Easy-access rear cover
- Aluminum housing unit

UPOS-510
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

Key Features
- Modularized display design for various applications
- Supports various secondary displays (when integrated with AIM-37)
- Expandable I/O interface and RAID support
- IP65-rated front panel
- Modular peripherals
- Power button
- Easy-access USB port
- Easy-removal rear cover
- Aluminum housing unit

UTC-300P
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

Key Features
- 16:9 true-flat widescreen
- Foldable stand with dual hinge
- Unique mount frame attachment supports peripheral integration
- Cost-effective and low-power design
- Add-on peripheral connector (MSR/IC card reader)
- Multiple I/O
- Foldable stand with dual-hinge design
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-110
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

Key Features
- Support diverse mounting options wall/VESA/magnet/pole/din-rail
- Dual HDMI for digital signage applications
- Supports Android OS
- Easy access HDD design

USM-210
Multi-Media Signage Player

- Built-in Intel® Pentium® N4200 processor with fanless operation
- Enables superb graphic performance via FHD video output
- User friendly design for easy maintenance
- Support optional Wi-Fi/4G module for real-time data transmission
- Integrated with WISE-PaaS/SignageCMS Digital Signage Management Software

Key Features
- Support up to 4 x HDMI output
- Front USB access design
- Easy access HDD design

Diverse I/O Interface (4 x HDMI and 2 x USB 2.0 port)
Easy-access 2.5” HDD Tray
Front USB 2.0 Port
COM Port
Unique wall mount kit
Diverse I/O Interface (4 x HDMI and 2 x USB 2.0 port)
Easy-access USB port
VESA wall-mount bracket
Movable wall-mount bracket
Antenna connector
Embedded SD/SIM card slot
UBX-310
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

Key Features
- Slim and lightweight
- Multiple I/O ports
- Front-facing USB for easy maintenance

USM-260
Multi-Functional Box PC
- Built-in Intel® Core™ i3-6100TE/ i5-6500TE/ i7-6700TE processor
- Slim and compact design for space saving
- Support dual 2.5” HDD for data backup and easy maintenance
- Enhanced heat dissipation for high reliability
- Integrated with WISE-PaaS/RMM remote management software

Key Features
- Support various installation
- Rich I/O Interface
- Easy access USB & HDD design

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
Multifunctional Bezel Free P-Cap Touch Monitor

UPOS-M15  4:3 Stand Along and Base-Mount Type
USC-M3/M6  16:9 Compact & Slim Type

- Available with dual hinge stand (for UPOS-M15/USC-M6)
- Smart combination with box PC as POS application
- Various combination with Avalo stand

Embedded camera (for USC-M3/M6)
Embedded RFID (for USC-M3/M6)

Serve as a secondary display
* Touch monitor optional

Diversified Applications

- Supports panel mount/wall mount/VESA mount
- IP65 rated front panel
- P-CAP touch screen

Industrial Design
iRetail SRP Ordering Guide

Interactive Digital Signage

<table>
<thead>
<tr>
<th>Solution Type</th>
<th>UShop+ Signage Player</th>
<th>UShop+ Signage Server</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hardware Part Number</td>
<td>Software Part Number</td>
</tr>
<tr>
<td>Lite</td>
<td>UBX-310UDS1-G1E-C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>J1900, 4 GB DDR, 500 GB HDD, 1 x VGA, 1 x HDMI</td>
<td></td>
</tr>
<tr>
<td></td>
<td>USM-110</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ARM® Cortex®-A17 quad-core, 16GB HDD, 2 x HDMI, Android 6.0</td>
<td></td>
</tr>
<tr>
<td>Standard</td>
<td>USM-210</td>
<td>968SPUDSS0</td>
</tr>
<tr>
<td></td>
<td>Intel® Pentium® N4200 Quad Core, 4 x HDMI, Windows 10</td>
<td></td>
</tr>
<tr>
<td>Pro</td>
<td>DS-980UDS1-G1E-C</td>
<td>(UShop+ SignageCMS)</td>
</tr>
<tr>
<td></td>
<td>Core i7-6700TE, 8 G RAM, 500 GB HDD, GT730, 3 x HDMI, 3 x HDMI (GT730)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DS-980UDS1-S1E-C</td>
<td>interactive functions included</td>
</tr>
<tr>
<td></td>
<td>Core i7-6700TE, 8 G RAM, 64 GB SSD, GT730, 3 x HDMI, 3 x HDMI (GT730)</td>
<td></td>
</tr>
</tbody>
</table>

Intelligent eMenu Board

<table>
<thead>
<tr>
<th>Solution Type</th>
<th>UShop+ eMenu Board Player</th>
<th>UShop+ eMenu Board Server</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hardware Part Number</td>
<td>Software Part Number</td>
</tr>
<tr>
<td>Lite</td>
<td>DS-080UDS1-G1E-C</td>
<td>968SPUDSS0</td>
</tr>
<tr>
<td></td>
<td>J1900, 4 GB DDR, 500 GB HDD, 2 x HDMI</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DS-080UDS1-S1E-C</td>
<td>(UShop+ SignageCMS)</td>
</tr>
<tr>
<td></td>
<td>J1900, 4 GB DDR, 64 GB SSD, 2 x HDMI</td>
<td></td>
</tr>
<tr>
<td>Standard</td>
<td>DS-780UDS1-G1E-C</td>
<td>968SPUDSS0</td>
</tr>
<tr>
<td></td>
<td>i3, 4 GB DDR, 500 GB HDD, 3 x HDMI</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DS-780UDS1-S1E-C</td>
<td>(UShop+ SignageCMS)</td>
</tr>
<tr>
<td></td>
<td>i3, 4 GB DDR, 64 GB SSD, 3 x HDMI</td>
<td></td>
</tr>
</tbody>
</table>

Store Traffic Analytics

<table>
<thead>
<tr>
<th>Solution Type</th>
<th>Edge Computing Device</th>
<th>Store BI Cloud Report</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hardware Part Number</td>
<td>Public Cloud Part Number</td>
</tr>
<tr>
<td>UCAM-2D</td>
<td>UCAM-120A-U01</td>
<td>968SPUSTL0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(annual license fee)</td>
</tr>
<tr>
<td>UCAM-3D</td>
<td>9680016713</td>
<td>968SPUSTS1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(annual license fee)</td>
</tr>
<tr>
<td>Wi-Fi Analysis</td>
<td>968SPUSWL0</td>
<td>968SPUSWL1</td>
</tr>
<tr>
<td></td>
<td>(service activation fee)</td>
<td>(annual license fee)</td>
</tr>
</tbody>
</table>
## Store Heatmap Analysis

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

## POS Loss Prevention

<table>
<thead>
<tr>
<th>Solution Type</th>
<th>Edge Computing</th>
<th>POS CMS</th>
<th>Cloud Web Server</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hardware Part Number</td>
<td>Software Part Number</td>
<td>Public Cloud Part Number</td>
</tr>
<tr>
<td>Loss Prevention 3 Channel</td>
<td>UShop EIS Lite UBX-310UST-G1E-C</td>
<td>968SPULPM0 (10 user accounts)</td>
<td>Basic Portal 968SPULL0 (annual license fee)</td>
</tr>
<tr>
<td>Loss Prevention 8 Channels</td>
<td>UShop EIS Standard AIMC-342UST-G1E-C</td>
<td>968SPULPM0 (10 user accounts)</td>
<td>Basic Portal 968SPULL0 (annual license fee)</td>
</tr>
<tr>
<td>Loss Prevention 16 Channels</td>
<td>UShop EIS Pro ACP-2320UST-G1E-C</td>
<td>968SPULPM0 (10 user accounts)</td>
<td>Basic Portal 968SPULL0 (annual license fee)</td>
</tr>
</tbody>
</table>
## UTC Series of All-in-One Touch Computers

<table>
<thead>
<tr>
<th>Product</th>
<th>UTC-307</th>
<th>UTC-310</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>15.6” Ubiquitous Touch Computer</td>
<td>10.1” Ubiquitous Touch Computer</td>
</tr>
<tr>
<td>Model</td>
<td>UTC-307G</td>
<td>UTC-310G</td>
</tr>
<tr>
<td><strong>CPU</strong></td>
<td>Intel® Celeron® N3350</td>
<td>Intel® Pentium® N4200</td>
</tr>
<tr>
<td><strong>Cache</strong></td>
<td>1MB</td>
<td>2MB</td>
</tr>
<tr>
<td><strong>Memory</strong></td>
<td>1 x SO-DIMM DDR3L, 1866 MHz (up to 6 GB)</td>
<td>1 x SO-DIMM DDR3L, 1866 MHz (up to 6 GB)</td>
</tr>
<tr>
<td><strong>HDD</strong></td>
<td>1 x 2.5” external SATA HDD bay</td>
<td>1 x 2.5” internal SATA HDD bay</td>
</tr>
<tr>
<td><strong>Size</strong></td>
<td>7” TFT LCD</td>
<td>10.1” TFT LCD</td>
</tr>
<tr>
<td><strong>Max. Resolution</strong></td>
<td>800 x 480</td>
<td>1280 x 800</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>Projected capacitive</td>
<td>Projected capacitive</td>
</tr>
<tr>
<td><strong>USB</strong></td>
<td>2 x USB 2.0</td>
<td>2 x USB 3.0</td>
</tr>
<tr>
<td><strong>COM</strong></td>
<td>2 x RS-232 COM</td>
<td>2 x RS-232 COM</td>
</tr>
<tr>
<td><strong>HDMI/VGA</strong></td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>I/O Ports</strong></td>
<td>2 x Gigabit Ethernet (RJ-45)</td>
<td>2 x Gigabit Ethernet (RJ-45)</td>
</tr>
<tr>
<td><strong>OS Support</strong></td>
<td>Windows 10 IoT, Android 6.0, Linux Ubuntu 18.04</td>
<td>Windows 10 IoT, Android 6.0, Linux Ubuntu 18.04</td>
</tr>
</tbody>
</table>

### UTC-307G

| CPU | Intel® Celeron® N3350 |
| Cache | 1MB |
| Memory | 1 x SO-DIMM DDR3L, 1866 MHz (up to 6 GB) |
| HDD | 1 x 2.5” external SATA HDD bay |
| Size | 7” TFT LCD |
| Max. Resolution | 800 x 480 |
| Display Type | Projected capacitive |
| USB | 2 x USB 2.0, 2 x USB 3.0 |
| COM | 2 x RS-232, 1 x RS-232/422/485 |
| HDMI/VGA | - |
| I/O Ports | 2 x Gigabit Ethernet (RJ-45) |
| OS Support | Windows 10 IoT, Windows 10 IoT, Android 4.4 |

### UTC-310G

| CPU | Intel® Pentium® N4200 |
| Cache | 2MB |
| Memory | 1 x SO-DIMM DDR3L, 1866 MHz (up to 6 GB) |
| HDD | 1 x 2.5” internal SATA HDD bay |
| Size | 10.1” TFT LCD |
| Max. Resolution | 1280 x 800 |
| Display Type | Projected capacitive |
| USB | 2 x USB 3.0 |
| COM | 2 x RS-232 COM |
| HDMI/VGA | - |
| I/O Ports | 2 x Gigabit Ethernet (RJ-45) |
| OS Support | Windows 10 IoT, Windows 10 IoT, Android 4.4 |
## UTC Series of All-in-One Touch Computers

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

---

<table>
<thead>
<tr>
<th>Product</th>
<th>UTC-510</th>
<th>UTC-515</th>
<th>UTC-520</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>10.1” ubiquitous touch computer</td>
<td>15.6” ubiquitous touch computer</td>
<td>21.5” ubiquitous touch computer</td>
</tr>
<tr>
<td><strong>Model</strong></td>
<td>UTC-510D</td>
<td>UTC-510D(PoE)</td>
<td>UTC-515D</td>
</tr>
<tr>
<td><strong>System</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPU</td>
<td>Intel® Atom™ E3825/Celeron® J1900</td>
<td>Intel® Celeron® N2807/J1900</td>
<td>Intel® Core™ i5-4200U</td>
</tr>
<tr>
<td>Cache</td>
<td>1 MB/2 MB</td>
<td>2 MB</td>
<td>3 MB</td>
</tr>
<tr>
<td>Memory</td>
<td>1 x SODIMM DDR3L, 1066/1333 MHz (up to 8 GB)</td>
<td>1 x SODIMM DDR3L, 1333 MHz (up to 8 GB)</td>
<td>1 x SODIMM DDR3L, 1333/1600 MHz (up to 16 GB)</td>
</tr>
<tr>
<td>HDD</td>
<td>1 x 2.5” Internal SATA HDD bay</td>
<td>1 x 2.5” Internal SATA HDD bay</td>
<td>1 x 2.5” Internal SATA HDD bay</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td>10.1” TFT LCD</td>
<td>15.6” TFT LCD</td>
<td>21.5” TFT LCD</td>
</tr>
<tr>
<td>Max. Resolution</td>
<td>1280 x 800</td>
<td>1366 x 768 (1920 x 1080 optional)</td>
<td></td>
</tr>
<tr>
<td><strong>Touch-screen</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>Projected capacitive</td>
<td>Projected capacitive</td>
<td>Projected capacitive</td>
</tr>
<tr>
<td></td>
<td>Analog 5-wire resistive</td>
<td>Analog 5-wire resistive</td>
<td>Analog 5-wire resistive</td>
</tr>
<tr>
<td></td>
<td>Glass panel</td>
<td>Glass panel</td>
<td>Glass panel</td>
</tr>
<tr>
<td><strong>I/O Ports</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>USB</td>
<td>1 x USB 2.0</td>
<td>3 x USB 2.0</td>
<td>3 x USB 2.0</td>
</tr>
<tr>
<td>COM</td>
<td>2 x RS-232</td>
<td>2 x RS-232</td>
<td>2 x RS-232</td>
</tr>
<tr>
<td>HDMI/VGA</td>
<td>1 x HDMI</td>
<td>1 x HDMI</td>
<td>1 x HDMI</td>
</tr>
<tr>
<td>Bus Expansion</td>
<td>2 x Half-size mini PCIe/mSATA</td>
<td>1 x Full-size mini PCIe/mSATA</td>
<td>1 x Full-size mini PCIe/mSATA</td>
</tr>
<tr>
<td><strong>Network</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAN</td>
<td>1 x RJ45</td>
<td>2 x RJ45</td>
<td>2 x Gigabit Ethernet (RJ45)</td>
</tr>
</tbody>
</table>
## UTC Series of All-in-One Touch Computers

<table>
<thead>
<tr>
<th>Product</th>
<th>UTC-532</th>
<th>UTC-542</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>31.5” ubiquitous touch computer</td>
<td>42.5” ubiquitous touch computer</td>
</tr>
<tr>
<td><strong>Model</strong></td>
<td>UTC-532D</td>
<td>UTC-532E</td>
</tr>
<tr>
<td><strong>CPU</strong></td>
<td>Intel® Celeron® J1900</td>
<td>Intel® Core™ i5-6300U</td>
</tr>
<tr>
<td><strong>Cache</strong></td>
<td>2 MB</td>
<td>3 MB</td>
</tr>
<tr>
<td><strong>Memory</strong></td>
<td>1 x SODIMM DDR3L, 1333 MHz (up to 6 GB)</td>
<td>1 x SODIMM DDR3L, 1333/1600 MHz (up to 8 GB)</td>
</tr>
<tr>
<td><strong>HDD</strong></td>
<td>1 x 2.5” Internal SATA HDD bay</td>
<td></td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>31.5” TFT LCD</td>
<td></td>
</tr>
<tr>
<td><strong>Touch-screen Type</strong></td>
<td>Projected capacitive</td>
<td></td>
</tr>
<tr>
<td><strong>I/O Ports</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>USB</strong></td>
<td>2 x USB 2.0, 2 x USB 3.0</td>
<td>2 x USB 2.0, 2 x USB 3.0</td>
</tr>
<tr>
<td><strong>COM</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>HDMI/VGA</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Network</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>OS Support</strong></td>
<td>Windows 10 IoT, WES7/8, Linux, Android 4.4</td>
<td></td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>Product</th>
<th>UTK-520</th>
<th>UTK-532</th>
<th>UTC-720 series</th>
<th>UTC-750 Series</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>21.5” Ubiquitous Touch Computer</td>
<td>31.5” all-in-one kiosk</td>
<td>21.5” all-in-one kiosk</td>
<td>31.5” all-in-one kiosk</td>
</tr>
<tr>
<td><strong>Model</strong></td>
<td>UTK-520F</td>
<td>UTK-532F</td>
<td>UTC-722F</td>
<td>UTC-723F</td>
</tr>
<tr>
<td><strong>CPU</strong></td>
<td>Intel® Celeron® J1900</td>
<td>Intel® Core™ i5-6300U</td>
<td>Intel® Core™ i5-6300U</td>
<td>Intel® Celeron® J1900</td>
</tr>
<tr>
<td><strong>Cache</strong></td>
<td>2 MB</td>
<td>3 MB</td>
<td>3 MB</td>
<td>3 MB</td>
</tr>
<tr>
<td><strong>System Memory</strong></td>
<td>2 x SO DIMM DDR3L, 1600 MHz (up to 16 GB)</td>
<td>2 x SODIMM DDR3L, 1600 MHz (up to 16 GB)</td>
<td>2 x SODIMM DDR3L, 1600 MHz (up to 16 GB)</td>
<td>2 x SODIMM DDR3L, 1600 MHz (up to 16 GB)</td>
</tr>
<tr>
<td><strong>HDD</strong></td>
<td>1 x 2.5” internal SATA HDD bay</td>
<td>1 x 2.5” internal SATA HDD bay</td>
<td>1 x 2.5” internal SATA HDD bay</td>
<td>1 x 2.5” internal SATA HDD bay</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>21.5” TFT LCD</td>
<td>21.5” TFT LCD</td>
<td>21.5” TFT LCD</td>
<td>21.5” TFT LCD</td>
</tr>
<tr>
<td><strong>Touch-screen Type</strong></td>
<td>Projected capacitive</td>
<td>Analog 5-wire resistive</td>
<td>Analog 5-wire resistive</td>
<td>Analog 5-wire resistive</td>
</tr>
<tr>
<td><strong>I/O Ports</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>USB</strong></td>
<td>2 x USB 2.0, 2 x USB 3.0</td>
<td>2 x USB 2.0, 2 x USB 3.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>COM</strong></td>
<td>2 x RS-232</td>
<td>2 x RS-232</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>HDMI/VGA</strong></td>
<td>1 x VGA, 1 x HDMI</td>
<td>1 x HDMI, 1 x VGA</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Network</strong></td>
<td></td>
<td></td>
<td></td>
<td>2 x Gigabit Ethernet (RJ45)</td>
</tr>
<tr>
<td><strong>Mounting</strong></td>
<td></td>
<td></td>
<td></td>
<td>200 x 200 mm/7.87 x 7.87 in</td>
</tr>
<tr>
<td><strong>OS Support</strong></td>
<td>Windows 10 IoT, WES7/8, Linux</td>
<td>Windows 10 IoT, WES7/8, Linux</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Peripherals</strong></td>
<td>NFC reader (EMV L1-L2), pin pad (EMV L1-L2), chip and magnetic stripe reader (EMV L1-L2), thermal printer, 1D/2D barcode scanner, Camera</td>
<td></td>
<td></td>
<td>NFC reader (EMV L1-L2), pin pad (EMV L1-L2), chip and magnetic stripe reader (EMV L1-L2), thermal printer, 1D/2D barcode scanner</td>
</tr>
</tbody>
</table>

---

*49*
## UTC Series Peripherals and Installation Accessories

<table>
<thead>
<tr>
<th>Peripherals</th>
<th>Magnetic Stripe Reader</th>
<th>NFC/RFID Reader</th>
<th>Smart Card Reader</th>
<th>1D/2D Barcode Reader</th>
<th>SMP Camera Module</th>
<th>Fingerprint Scanner</th>
<th>iBeacon</th>
</tr>
</thead>
<tbody>
<tr>
<td>UTC-510/542 Series</td>
<td>UTC-510/542P-M</td>
<td>UTC-510/542P-R</td>
<td>UTC-510/542P-S</td>
<td>UTC-510/542P-B</td>
<td>UTC-510/542P-C</td>
<td>UTC-510/542P-F</td>
<td></td>
</tr>
<tr>
<td>UTC-515/520/532 Series</td>
<td>UTC-P02</td>
<td>UTC-P03</td>
<td>UTC-P06</td>
<td>UTC-P07</td>
<td>UTC-P01</td>
<td>UTC-P09</td>
<td>UTC-P08</td>
</tr>
<tr>
<td>UTC-300 Series</td>
<td>UTC-300P-M</td>
<td>UTC-300P-R</td>
<td>UTC-300P-S</td>
<td>UTC-300P-B</td>
<td>UTC-300P-C</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 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
### Mobile Tablet System

<table>
<thead>
<tr>
<th>Model</th>
<th>AIM-35</th>
<th>AIM-37</th>
<th>AIM-38</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>System</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPU</td>
<td>Intel® Atom™ X5-Z8350</td>
<td>Intel® Atom™ X5-Z8350</td>
<td>Intel® Atom™ X7-Z83750</td>
</tr>
<tr>
<td>Memory</td>
<td>2 GB</td>
<td>2 GB</td>
<td>4 GB</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Size/Type</td>
<td>8” IPS TFT color LCD</td>
<td>10” IPS TFT color LCD</td>
<td>10” IPS TFT color LCD</td>
</tr>
<tr>
<td>Glass Type</td>
<td>Corning® Gorilla® Glass 3 (directly bonded)</td>
<td>Corning® Gorilla® Glass 3 (directly bonded)</td>
<td>Corning® Gorilla® Glass 3 (directly bonded)</td>
</tr>
<tr>
<td>Resolution</td>
<td>WXGA (1200 x 1920)</td>
<td>WXGA (1280 x 800)</td>
<td>PXGA (1920x1200)</td>
</tr>
<tr>
<td>Brightness</td>
<td>400 cd/m²</td>
<td>350 cd/m²</td>
<td>380 cd/m² (800 cd/m² optional)</td>
</tr>
<tr>
<td>Touchscreen</td>
<td>10-point capacitive multi-touch with glove mode</td>
<td>10-point capacitive multi-touch with glove mode</td>
<td>10-point capacitive multi-touch with glove mode</td>
</tr>
<tr>
<td><strong>External I/O</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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</td>
<td>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)</td>
<td>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</td>
<td></td>
</tr>
<tr>
<td><strong>Function Buttons</strong></td>
<td>1 x power button, 1 x programmable function button, 2 x volume control buttons (optional)</td>
<td>1 x power button, 1 x programmable function button, 2 x volume control buttons (optional)</td>
<td>1 x power button, 1 x programmable function button, 2 x volume control buttons (optional)</td>
</tr>
<tr>
<td><strong>Communication</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WLAN</td>
<td>Internal 802.11 a/b/g/n</td>
<td>Internal 802.11 a/b/g/n</td>
<td>Internal 802.11 a/b/g/n (ac is optional)</td>
</tr>
<tr>
<td>Bluetooth</td>
<td>Bluetooth 4.0 BLE</td>
<td>Bluetooth 4.0 BLE</td>
<td>Bluetooth 4.0 BLE</td>
</tr>
<tr>
<td>GPS</td>
<td>AGPS, GNSS (optional)</td>
<td>AGPS, GNSS (optional)</td>
<td>Beidou (Optional)</td>
</tr>
<tr>
<td>WWAN</td>
<td>Internal 4G/3G mode (optional)</td>
<td>Internal 4G/3G mode (optional)</td>
<td>Internal 4G/3G mode (optional)</td>
</tr>
<tr>
<td>NFC</td>
<td>13.56 MHz, ISO 14443 type A/B, ISO/IEC 15693, MIFARE, FelICa</td>
<td>13.56 MHz, ISO 14443 type A/B, ISO/IEC 15693, MIFARE, FelICa</td>
<td>13.56 MHz, ISO 14443 type A/B, ISO/IEC 15693, MIFARE, FelICa</td>
</tr>
<tr>
<td>NFC</td>
<td>3-track MSR (optional)</td>
<td>3-track MSR (optional)</td>
<td>3-track MSR (Optional module)</td>
</tr>
<tr>
<td>IC Card Reader</td>
<td>5 V smart card (optional)</td>
<td>5 V smart card (optional)</td>
<td>5 V smart card (optional)</td>
</tr>
<tr>
<td>Color</td>
<td>black/orange</td>
<td>black/orange</td>
<td>black/orange</td>
</tr>
<tr>
<td>Battery</td>
<td>5060 mAh</td>
<td>7900 mAh</td>
<td>7900mAh (Hot-Swappable with capacity LED indicators)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>142 x 239 x 14.5 mm</td>
<td>290 x 176 x 17.4 mm</td>
<td>290 x 176 x 17.4 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>800 g</td>
<td>900 g</td>
<td>930 g</td>
</tr>
</tbody>
</table>

### MPOS/Tablet Peripherals

<table>
<thead>
<tr>
<th>Model</th>
<th>AIMP511AG</th>
<th>AIM-EXTO-0046</th>
<th>AIM-BAT0-0252</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>20 degree 2D barcode scanner</td>
<td>LAN &amp; COM module</td>
<td>Battery with Meter (1 pcs)</td>
</tr>
<tr>
<td>Color</td>
<td>Black</td>
<td>Black</td>
<td>Black</td>
</tr>
<tr>
<td>Dimension</td>
<td>130.2 x 38.7 x 27.8mm</td>
<td>130.2 x 70 x 29 mm</td>
<td>98 x 84.5 x 6.5 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>0.042 kg</td>
<td>0.078 kg</td>
<td>0.104 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>AIM-P502</th>
<th>AIM-P505</th>
<th>AIM-P705</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Basic charger</td>
<td>6-in-1 multi-bay charging station</td>
<td>10-in-1 multi-bay charging station</td>
</tr>
<tr>
<td>LED Indicator</td>
<td>Orange (LED light emitted when tablet is docked)</td>
<td>Orange (LED light emitted when tablets are docked)</td>
<td>Orange (LED light emitted when tablets are docked)</td>
</tr>
<tr>
<td>Charge Method</td>
<td>Via pogo pin</td>
<td>Via pogo pin</td>
<td>Via pogo pin</td>
</tr>
<tr>
<td>Max. Charging Power</td>
<td>5 V/3A</td>
<td>5 V/3A</td>
<td>5 V/3A</td>
</tr>
<tr>
<td>Max. Tablet Thickness</td>
<td>34 mm</td>
<td>34 mm</td>
<td>34 mm</td>
</tr>
<tr>
<td>Dimensions</td>
<td>180 x 140 x 120 mm (charger only)</td>
<td>373.6 x 250 x 126 mm (charger only)</td>
<td>374.4 x 251.5 x 133.6 mm (charger only)</td>
</tr>
<tr>
<td>Power Supply</td>
<td>110 ~ 250 VAC, 240W</td>
<td>110 ~ 250 VAC, 240W</td>
<td>110 ~ 250 VAC, 240W</td>
</tr>
</tbody>
</table>

### MPOS/Tablet Peripherals

<table>
<thead>
<tr>
<th>Model</th>
<th>AIMP511AG</th>
<th>AIM-EXTO-0046</th>
<th>AIM-BAT0-0252</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>20 degree 2D barcode scanner</td>
<td>LAN &amp; COM module</td>
<td>Battery with Meter (1 pcs)</td>
</tr>
<tr>
<td>Color</td>
<td>Black</td>
<td>Black</td>
<td>Black</td>
</tr>
<tr>
<td>Dimension</td>
<td>130.2 x 38.7 x 27.8mm</td>
<td>130.2 x 70 x 29 mm</td>
<td>98 x 84.5 x 6.5 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>0.042 kg</td>
<td>0.078 kg</td>
<td>0.104 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>AIM-P502</th>
<th>AIM-P505</th>
<th>AIM-P705</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Basic charger</td>
<td>6-in-1 multi-bay charging station</td>
<td>10-in-1 multi-bay charging station</td>
</tr>
<tr>
<td>LED Indicator</td>
<td>Orange (LED light emitted when tablet is docked)</td>
<td>Orange (LED light emitted when tablets are docked)</td>
<td>Orange (LED light emitted when tablets are docked)</td>
</tr>
<tr>
<td>Charge Method</td>
<td>Via pogo pin</td>
<td>Via pogo pin</td>
<td>Via pogo pin</td>
</tr>
<tr>
<td>Max. Charging Power</td>
<td>5 V/3A</td>
<td>5 V/3A</td>
<td>5 V/3A</td>
</tr>
<tr>
<td>Max. Tablet Thickness</td>
<td>34 mm</td>
<td>34 mm</td>
<td>34 mm</td>
</tr>
<tr>
<td>Dimensions</td>
<td>180 x 140 x 120 mm (charger only)</td>
<td>373.6 x 250 x 126 mm (charger only)</td>
<td>374.4 x 251.5 x 133.6 mm (charger only)</td>
</tr>
<tr>
<td>Power Supply</td>
<td>110 ~ 250 VAC, 240W</td>
<td>110 ~ 250 VAC, 240W</td>
<td>110 ~ 250 VAC, 240W</td>
</tr>
</tbody>
</table>

### MPOS/Tablet Peripherals

<table>
<thead>
<tr>
<th>Model</th>
<th>AIMP511AG</th>
<th>AIM-EXTO-0046</th>
<th>AIM-BAT0-0252</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>20 degree 2D barcode scanner</td>
<td>LAN &amp; COM module</td>
<td>Battery with Meter (1 pcs)</td>
</tr>
<tr>
<td>Color</td>
<td>Black</td>
<td>Black</td>
<td>Black</td>
</tr>
<tr>
<td>Dimension</td>
<td>130.2 x 38.7 x 27.8mm</td>
<td>130.2 x 70 x 29 mm</td>
<td>98 x 84.5 x 6.5 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>0.042 kg</td>
<td>0.078 kg</td>
<td>0.104 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>AIM-P502</th>
<th>AIM-P505</th>
<th>AIM-P705</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Basic charger</td>
<td>6-in-1 multi-bay charging station</td>
<td>10-in-1 multi-bay charging station</td>
</tr>
<tr>
<td>LED Indicator</td>
<td>Orange (LED light emitted when tablet is docked)</td>
<td>Orange (LED light emitted when tablets are docked)</td>
<td>Orange (LED light emitted when tablets are docked)</td>
</tr>
<tr>
<td>Charge Method</td>
<td>Via pogo pin</td>
<td>Via pogo pin</td>
<td>Via pogo pin</td>
</tr>
<tr>
<td>Max. Charging Power</td>
<td>5 V/3A</td>
<td>5 V/3A</td>
<td>5 V/3A</td>
</tr>
<tr>
<td>Max. Tablet Thickness</td>
<td>34 mm</td>
<td>34 mm</td>
<td>34 mm</td>
</tr>
<tr>
<td>Dimensions</td>
<td>180 x 140 x 120 mm (charger only)</td>
<td>373.6 x 250 x 126 mm (charger only)</td>
<td>374.4 x 251.5 x 133.6 mm (charger only)</td>
</tr>
<tr>
<td>Power Supply</td>
<td>110 ~ 250 VAC, 240W</td>
<td>110 ~ 250 VAC, 240W</td>
<td>110 ~ 250 VAC, 240W</td>
</tr>
</tbody>
</table>
### Mobile POS System

<table>
<thead>
<tr>
<th>Model</th>
<th>CPU</th>
<th>OS Support</th>
<th>Memory</th>
<th>Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPOS-350</td>
<td>Intel® Atom™ X5-Z8350</td>
<td>Windows 10 IoT Enterprise, Android 6.0</td>
<td>2/4 GB</td>
<td>32/64 GB</td>
</tr>
<tr>
<td>MPOS-370</td>
<td>Intel® Atom™ X5-Z8350</td>
<td>Windows 10 IoT Enterprise, Android 6.0</td>
<td>2/4 GB</td>
<td>32/64 GB</td>
</tr>
</tbody>
</table>

### Display

<table>
<thead>
<tr>
<th>Size/Resolution</th>
<th>Brightness</th>
<th>Touchscreen</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot; TFT IPS LCD panel/ WXGA (1200 x 1920)</td>
<td>400 cd/m²</td>
<td>Corning® Gorilla® Glass 3 with 10-point capacitive multi-touch and glove mode</td>
</tr>
<tr>
<td>10&quot; IPS TFT LCD panel/ WXGA (1200 x 1920)</td>
<td>350 cd/m²</td>
<td>Corning® Gorilla® Glass 3 with 10-point capacitive multi-touch and glove mode</td>
</tr>
</tbody>
</table>

### External I/O

<table>
<thead>
<tr>
<th>Function Buttons</th>
<th>External I/O</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x power button, 1 x programmable function button, 2 x volume control/open door/feed paper buttons</td>
<td>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, 2 x USB 2.0 (type A), 2 x COM (RJ45), 1 x cash drawer (RJ11)</td>
</tr>
</tbody>
</table>

### Communication

<table>
<thead>
<tr>
<th>WLAN</th>
<th>Bluetooth</th>
<th>WWAN</th>
<th>NFC</th>
<th>MSR</th>
<th>IC Card Reader</th>
<th>Color</th>
<th>Battery</th>
<th>Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal 802.11 a/b/g/n</td>
<td>Internal 802.11 a/b/g/n (a/c optional)</td>
<td>AGPS, GNSS (optional)</td>
<td>13.56 MHz, ISO 14443 type A/B, ISO/IEC 15693, MIFARE, FelCa</td>
<td>3-track MSR (external module)</td>
<td>5 V smart card (external module)</td>
<td>block, orange</td>
<td>5600 mAh</td>
<td>142 x 239 x 14.5 mm, Cradle: 151 x 152 x 318 mm</td>
<td>800 g</td>
</tr>
</tbody>
</table>

### Hand/Shoulder Strap and Wall Mount Kit

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Application Scope</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIM-P700A0</td>
<td>Printer cradle</td>
<td>AIM-35/37</td>
</tr>
</tbody>
</table>

### MPOS/Tablet Peripherals

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Application Scope</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIM-P704</td>
<td>20 degree 2D barcode scanner, Color: Black, Dimensions: 130.2 x 38.7 x 27.8 mm, Weight: 0.042 kg</td>
<td>AIM-35/37</td>
</tr>
<tr>
<td>AIM-P511A0</td>
<td>LAN + COM module, Color: Black, Dimensions: 130.2 x 70 x 29 mm, Weight: 0.078 kg</td>
<td>AIM-35</td>
</tr>
<tr>
<td>AIM-EXTO-0046</td>
<td>Battery with meter (1 pcs), Color: Black, Dimensions: 98 x 84.5 x 6.5 mm, Weight: 0.104 kg</td>
<td>AIM-35</td>
</tr>
<tr>
<td>AIM-BAT0-0252</td>
<td>Battery with meter (1 pcs), Color: Black, Dimensions: 98 x 84.5 x 6.5 mm, Weight: 0.104 kg</td>
<td>AIM-35</td>
</tr>
</tbody>
</table>
## Model Comparison

### Model 1:
- **Model:** USC-130/160
- **System:**
  - **CPU:** Rockchip ARM Cortex-A17 RK3288 Quad core up to 1.6GHz
  - **OS:** Android 6.0 and Linux
- **Storage:**
  - 8GB on board eMMC Micro SD(up to 32GB)
  - 2 x M.2 2242/mSATA
- **Display:**
  - **Size:** USC-130: 11.6" TFT LCD (1366x768)
  - **Brightness:** 300 cd/m²
  - **Touchscreen:** P-CAP
- **External I/O:**
  - **COM:** 1xCOM
  - **USB:** 2xUSB 2.0 (max 4xUSB 2.0) 1xUSB OTG
  - **Ethernet:** 1xRJ45
  - **Audio:** 1xLine out , 1x mic in
  - **Speaker:** USC-130: 1x2W speaker
    - USC-160: 2x2W speaker
- **OS Support Kiosk:**
  - USC-130: 11.6" TFT LCD (Avalo stand)
  - USC-160: VFD
- **Peripherals:**
  - MSR/IC Card Reader /NFC
  - Barcode Scanner / Camera
- **Connectivity:** WiFi (802.11a/b/g/n) or Bluetooth
- **Color:** Black/White
- **IP Rating:** IP65 (Front Panel)
- **Dimensions/Weight:** USC-130: 295x190x34mm/2kg
  - USC-160: 384x238x34mm/3.5kg

### Model 2:
- **Model:** USC-260
- **System:**
  - **CPU:** Skylake-U, i5-6300UKOREG™ / 3610HU/Celeron 3955U
  - **OS:** POSReady 7, Windows 7 Pro, Windows 8.1 Pro (64-bit), Windows 10 IoT Enterprise, Linux Kernel 3.13 or above
- **Storage:**
  - 2 x M.2 2242/mSATA
- **Display:**
  - **Size:** 15" TFT LCD (1024 x 768)
  - **Brightness:** 250 cd/m²
  - **Touchscreen:** P-CAP
- **External I/O:**
  - **COM:** 4 x COM
  - **USB:** 4 x USB 3.0 / 2 x USB 2.0 / 3 x Micro-USB (max. up to 11 x USB 3.0)
  - **Ethernet:** 1 x RJ45
  - **Audio:** 1xLine out , 1x mic in
  - **Speaker:** 1 x 2W speaker
- **OS Support Kiosk:**
  - • VFD
  - • 7"/10.1" TFT LCD (rear)
  - • 16.7" TFT LCD (rear)
  - • 12"/15" TFT LCD (pole)
- **Peripherals:**
  - MSR, MSR + fingerprint scanner, MSR + RFID, MSR + iButton, MSR + IC card reader
- **Connectivity:** WiFi (802.11b/g/n) or Bluetooth
- **Color:** black/white
- **IP Rating:** IP65 (Front panel)
- **Dimensions/Weight:** 340 x 327 x 237mm/ 6.5 kg

### Model 3:
- **Model:** USC-311
- **System:**
  - **CPU:** Intel® Celeron® J1900/Core™ i3/i5 Intel® Celeron® J1900/Core™ i5
  - **OS:** Windows 10 IoT Enterprise, Win 7/8 Pro, POSReady 7, Linux Kernel 3.13, Android 4.4
- **Storage:**
  - 1 x 2.5" SATA HDD/SSD bay/mSATA
- **Display:**
  - **Size:** 15" TFT LCD (1024 x 768)
  - **Brightness:** 250 cd/m²
  - **Touchscreen:** 5-wire resistive/P-CAP
- **External I/O:**
  - **COM:** 2 x COM (up to 5 max.)
  - **USB:** 4 x USB 3.0 / 2 x USB 2.0 / 3 x Micro-USB (max. up to 11 x USB 3.0)
  - **Ethernet:** 1 x RJ45
  - **Audio:** 1 x Line out, 1 x mic in
  - **Speaker:** 1 x 2W speakers
- **OS Support Kiosk:**
  - • USC-130: 11.6" TFT LCD (Avalo stand)
  - • USC-160: VFD
  - • 15.6" TFT LCD (Avalo stand)
- **Peripherals:**
  - MSR/IC Card Reader /NFC
  - Barcode Scanner / Camera
- **Connectivity:** WiFi (802.11b/g/n) or Bluetooth
- **Color:** orange/black/white
- **IP Rating:** IP65 (Front panel)
- **Dimensions/Weight:** 354 x 327 x 237 mm/ 6.9 kg

## Intelligent POS/Box PCs

- **Model:** USC-130/160
- **System:**
  - **CPU:** Rockchip ARM Cortex-A17 RK3288 Quad core up to 1.6GHz
  - **OS:** Android 6.0 and Linux
- **Storage:**
  - 8GB on board eMMC Micro SD(up to 32GB)
  - 2 x M.2 2242/mSATA
- **Display:**
  - **Size:** USC-130: 11.6" TFT LCD (1366x768)
  - **Brightness:** 300 cd/m²
  - **Touchscreen:** P-CAP
- **External I/O:**
  - **COM:** 1xCOM
  - **USB:** 2xUSB 2.0 (max 4xUSB 2.0) 1xUSB OTG
  - **Ethernet:** 1xRJ45
  - **Audio:** 1xLine out , 1x mic in
  - **Speaker:** USC-130: 1x2W speaker
    - USC-160: 2x2W speaker
- **OS Support Kiosk:**
  - • USC-130: 11.6" TFT LCD (Avalo stand)
  - • USC-160: VFD
- **Peripherals:**
  - MSR/IC Card Reader /NFC
  - Barcode Scanner / Camera
- **Connectivity:** WiFi (802.11b/g/n) or Bluetooth
- **Color:** Black/White
- **IP Rating:** IP65 (Front Panel)
- **Dimensions/Weight:** USC-130: 295x190x34mm/2kg
  - USC-160: 384x238x34mm/3.5kg

- **Model:** USC-250
- **System:**
  - **CPU:** Skylake-U, i5-6300UKOREG™ / 3610HU/Celeron 3955U
  - **OS:** POSReady 7, Windows 7 Pro, Windows 8.1 Pro (64-bit), Windows 10 IoT Enterprise, Linux Kernel 3.13 or above
- **Storage:**
  - 2 x M.2 2242/mSATA
- **Display:**
  - **Size:** 15" TFT LCD (1024 x 768)
  - **Brightness:** 250 cd/m²
  - **Touchscreen:** P-CAP
- **External I/O:**
  - **COM:** 4 x COM
  - **USB:** 4 x USB 3.0 / 2 x USB 2.0 / 3 x Micro-USB (max. up to 11 x USB 3.0)
  - **Ethernet:** 1 x RJ45
  - **Audio:** 1xLine out , 1x mic in
  - **Speaker:** 1 x 2W speaker
- **OS Support Kiosk:**
  - • VFD
  - • 7"/10.1" TFT LCD (rear)
  - • 16.7" TFT LCD (rear)
  - • 12"/15" TFT LCD (pole)
- **Peripherals:**
  - MSR, MSR + fingerprint scanner, MSR + RFID, MSR + iButton, MSR + IC card reader
- **Connectivity:** WiFi (802.11b/g/n) or Bluetooth
- **Color:** black/white
- **IP Rating:** IP65 (Front panel)
- **Dimensions/Weight:** 340 x 327 x 237mm/ 6.5 kg
## Model UBX-310 USM-110 USM-210 USM-260

### System
- **CPU**: Intel® Celeron® J1900/Core™ i3/i5 up to 1.8 GHz, ARM® Cortex®-A17 quad-core, up to 1.4 GHz, "Intel® Core™ i3-6100TE/i5-6500TE/i7-6700TE™" Intel® Pentium® N4200 Quad Core Up to 2.5GHz
- **OS Support**: Windows 10 IoT Enterprise, Win 7/8, "Intel® Core™ i3-6100TE/i5-6500TE/i7-6700TE™"
- **Memory**: 2G, 8G, TBD
- **Storage**: HDD 1 x 2.5” SATA HDD/SSD bay, EMMC 16 GB + micro SD expansion slot, 1 x 2.5” SATA HDD/SSD bay, 2 x 2.5” SATA HDD/SSD bay
- **Display**: Max. Resolution 1920 x 1200, 3840 x 2160 (4K), 3840 x 2160 max. (4K)
- **Camera**: up to 2MP
- **Audio**: 1 x line out, 1 x mic in
- **Output**: 2 x mini PCIe, 1 x mini PCIe (3G/4G) / M.2 (Wi-Fi) / M.2 E-key 2230 for wifi, M.2 B-key 2280 for storage or 4G (auto detect) / 1 H/S miniPCIe
- **Optical Modules**: USB port for camera, 1 x OTG USB, 2 x USB 3.0, 2 x USB 2.0, 1 x USB 3.0, 4 x USB 2.0
- **Mounting**: Stand, wall, pole
- **Dimensions/Weight**: 245 x 185 x 45 mm / 2.0 kg, 155.8 x 120 x 31 mm / 1.0 kg

### UPOS/Box PC Peripherals

#### Add-On Peripherals
- **MSR**: (USC only)
- **MSR + Fingerprint Scanner**: (USC only)
- **MSR + IC Card Reader**: (USC only)
- **Barcode Scanner**: (USC only)

#### Peripherals
- **10.1” Monitor**: 10.1” LCD monitor (1024 x 768), 200 cd/m², 240 x 270 x 606 mm, 3.6 kg
- **15” Touch Monitor**: 15” TFT LCD (1024 x 768), 250 cd/m², 278 x 304 x 53 mm
- **11.6”/15.6” Touch Monitor**: 11.6”/15.6” TFT LCD (1366x768), 250 cd/m², 200 x 145 x 142 mm
- **Printer**: Printing speed 300mm/s, Paper width 79.5±0.5mm, Paper roll diameter 80mm, Interface USB+Serial+Ethernet

### Product Specifications

#### Intelligent POS/Box PCs
- **Display**: Max. Resolution 1920 x 1200, 3840 x 2160 (4K), 3840 x 2160 max. (4K)
- **Audio**: 1 x line out, 1 x mic in
- **Output**: 2 x mini PCIe, 1 x mini PCIe (3G/4G) / M.2 (Wi-Fi) / M.2 E-key 2230 for wifi, M.2 B-key 2280 for storage or 4G (auto detect) / 1 H/S miniPCIe
- **Optical Modules**: USB port for camera, 1 x OTG USB, 2 x USB 3.0, 2 x USB 2.0, 1 x USB 3.0, 4 x USB 2.0
- **Mounting**: Stand, wall, pole
- **Dimensions/Weight**: 245 x 185 x 45 mm / 2.0 kg, 155.8 x 120 x 31 mm / 1.0 kg

#### Add-On Peripherals
- **MSR**: (USC only)
- **MSR + Fingerprint Scanner**: (USC only)
- **MSR + IC Card Reader**: (USC only)
- **Barcode Scanner**: (USC only)

#### Peripherals
- **10.1” Monitor**: 10.1” LCD monitor (1024 x 768), 200 cd/m², 240 x 270 x 606 mm, 3.6 kg
- **15” Touch Monitor**: 15” TFT LCD (1024 x 768), 250 cd/m², 278 x 304 x 53 mm
- **11.6”/15.6” Touch Monitor**: 11.6”/15.6” TFT LCD (1366x768), 250 cd/m², 200 x 145 x 142 mm
- **Printer**: Printing speed 300mm/s, Paper width 79.5±0.5mm, Paper roll diameter 80mm, Interface USB+Serial+Ethernet

#### UPOS/Box PC Peripherals
Advantech iRetail App

Get the iRetail App

![QR Code for Android](image)

![QR Code for iOS](image)

Enjoy 3D iRetail products on your mobile phone at any time and any place

Tips for using the iRetail app

**Tip. 1**
Scan product images with the icon to activate AR

**Tip. 2**
Integrate 3D models with your surrounding environment.
Please verify specifications before ordering. The information in this guide is intended for reference purposes only. All products specifications are subject to change without notice. No part of this publication may be reproduced in any form or by any means, including electronically, by photocopying, recording, or otherwise, without the prior written permission of the publisher. All brand and product names are trademarks or registered trademarks of their respective companies. © Advantech Co., Ltd. 2019