Intelligent City Services and iRetail

Leading Computing with Edge Intelligence for Business and Service Optimization

- Interactive Digital Signage
- Smart Queue and People Counting
- Facial Recognition for Safety Management
- All-in-one Touch Computers
- POS Systems and Mobile POS Stations
- Self-Service KIOSKs
- Enterprise Tablets
- Edge Computers and Servers



ADVANTECH

Enabling an Intelligent Planet

intel partner Titanium

DeviceOn

www.advantech.com



Table of Contents

Advantech Intelligent City Services and iRetail

Introduction to Advantech Total Services 02
Remote Device Management 03
Retail Device Software Stack 04
Design Consulting Service 05
Technologies and Services 06
Industries and Target Applications 07

Solutions

Retail Edge AI Solutions 09
Interactive Digital Signage 10
Smart Queue and People Counting 11
Facial Recognition for Safety Management 12
IoT Sensing & Cold Chain Solutions 13
Intelligent Energy Management Solutions 14

Products

Edge Computers and Servers 15
All-in-One Touch Computers 17
AIM Service & Industrial Tablet 19
Intelligent POS Systems 21
Self-Service KIOSKs 23
Touch Monitors 25
Peripherals, Devices, and Installation Accessories 27
ADVANTECH-AURES POS & KIOSK 29

Product Selection Guide

UBX 31
UTC 34
AIM 45
USC 47
ASC 49
UTK 51
USC-M 55
URP 56
Solution 58

Introduction to Advantech Total Services

Advantech Services Plus (AS+)

Comprehensive Regional Services for Business Sustainability

Key Features of AS+

- System Integration
- Peripheral Procurement
- Global Logistics
- On-Site Service
- IoT Academy
- Value-added Service Pack
- Product Leasing
- Customization Design
- Configure to Order Services

Global Network and Resources



3 Manufacturing	4 On-site Service
11 Design Centers	16 CTOS Centers
17 Repair Centers	20 Logistics Centers

Hardware as a Service (HaaS)

Enabling Scalability and Flexibility

Real-Time Monitoring and Analytics

Integrates hardware with cloud tools, delivering actionable insights for data-driven decisions. Bundled services ensure smooth deployment, updates, and ongoing support.

Lifecycle Management

Proactive maintenance and upgrades extend hardware lifecycles, maximizing uptime, minimizing disruptions, and reducing e-waste while lowering total cost of ownership (TCO).

Hardware Subscription Models

Tailored plans convert hardware investments to OPEX, reducing upfront costs while providing scalable, flexible deployment options to match business growth.

Customized Solutions for Vertical Markets

Modular designs tailored for industries like retail, hospitality, and smart buildings enhance flexibility, efficiency, and sustainability in meeting evolving business needs.

Remark: HaaS and 24/7 hotline services are tailored for select regions to ensure the highest level of service quality. For further inquiries about availability and applicability, please consult with your Advantech account manager.

Remote Device Management

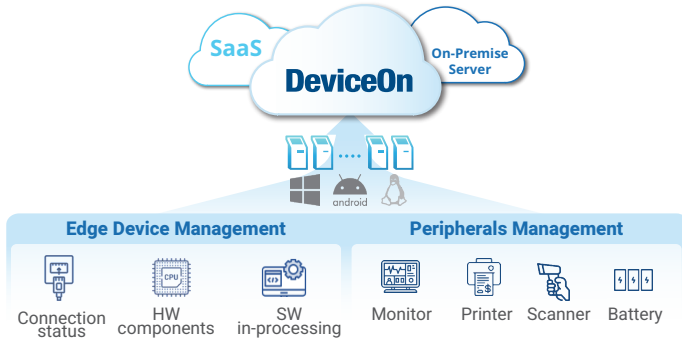
DeviceOn

Empowering IT Professionals for Superior Service

Unified Device Management Platform

DeviceOn enables remote management of Advantech devices across Windows, Android, and Linux. It supports OTA updates for software and Android OS, as well as batch control, streamlining IoT operations.

The platform also manages peripherals, such as USB connections and external displays. A key use case involves enabling large-scale Android OS updates via OTA, ensuring security, stability, and operational efficiency.



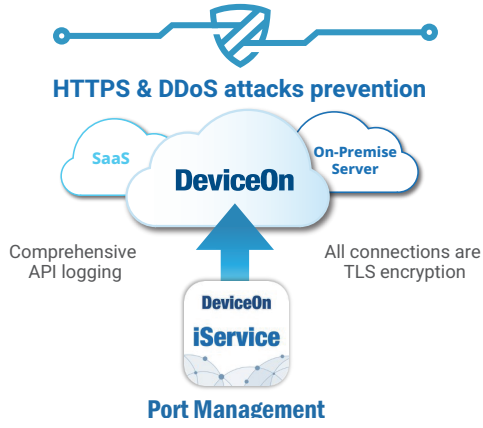
Device Provisioning

Device Onboarding	Device Staging	Device Updating
• Device enrollment • Groups management • Service activation	• Device configuration • Quick deployment • Setting synchronization	• SW version check • OTA batch update • APP & BSP supported

Device Management

Device Monitoring	Device Controlling	Device Analysis
• Real-time notifications • HW/SW/Peripherals • Customized add-ons	• Management tasks • Remote desktop/SSH • Recurring schedule tasks	• System dashboard • Device event tracking • Data recording analysis

Web Firewall & CDN Protection



High-Security and Encrypted Web Services

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

Proactive Monitoring and Event Management

DeviceOn features a powerful event management system for enhanced device monitoring. It tracks real-time metrics such as CPU, RAM, storage, and application performance while recording historical data based on user-defined thresholds. When thresholds are exceeded, the system sends alerts via web, email, or app notifications, ensuring IT managers can respond immediately.

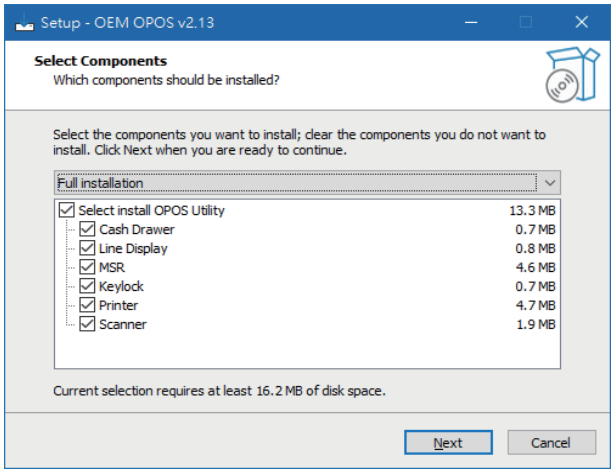
This proactive approach helps maintain optimal device performance, prevents potential issues, and provides IT managers with the insights needed to keep operations running smoothly.



Retail Device Software Stack

Device Software Stack

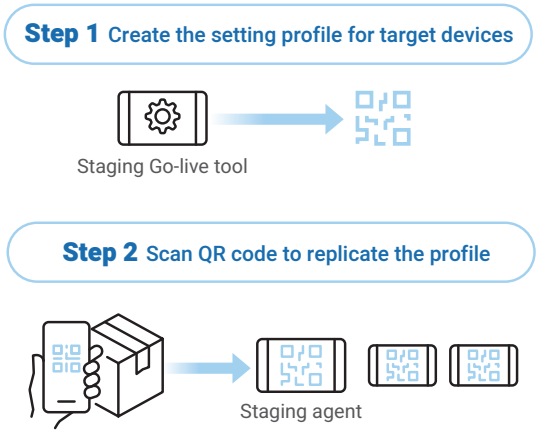
Enable rapid integration, easy deployment, and an optimized application experience



Peripheral Integration Kit

Enable quick integration with your devices

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



Staging Go-live Tool

Simplify device setup and configuration

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



Device Diagnostics Tool

Reduce downtime and keep operations smooth

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

Design Consulting Service

Empowering Businesses with Tailored Technology and Consulting Solutions

Full-Scope Deployment

Achieving operational efficiency requires more than technology—it demands a trusted partner who can provide **end-to-end support.** Advantech ensures seamless execution at every step.

- Offers strategic planning for scalable solutions.
- Delivers hands-on implementation to ensure success.
- Focuses on cost-effective and adaptable deployment strategies.
- Builds robust foundations for long-term business growth.



Custom Design

Every business is unique, and Advantech's custom design services ensure your brand stands out in today's competitive landscape.

- **Industrial Design (ID):** Creates visually appealing, functional hardware tailored to brand identity.
- **UI/UX Design:** Crafts intuitive interfaces to enhance user experiences for both customers and employees.
- Ensures solutions align seamlessly with your business goals and vision.



Integrated Solutions

Advantech empowers businesses by **integrating** physical and digital systems to drive results. Collaborating with a wide **technology and device** partner network, we address unique operational challenges.

- Works with system integrators and IT partners to develop custom solutions.
- Designs strategies to optimize workflows and reduce inefficiencies.
- Enhances customer experiences and supports sustainable operations.
- Aligns diverse systems for measurable outcomes and operational excellence.



Operational Optimization

Efficiency is the backbone of our growth. Advantech leverages **AIoT technologies** to facilitate operations and help businesses thrive.

- Streamlines workflows with **Edge AI and IoT-driven** solutions.
- Improves supply chain management and in-store operations.
- Enhances daily productivity while supporting sustainability goals.
- Provides scalable solutions that grow with your business.



Technologies and Services

Targeted Industries



Orchestration

WISE-IoT Solutions and Total Services

iVisionSuite: FaceMatch | SignageCMS | VisionSense

AI Agent: Agent Builder | SLM/LLM

ADVANTECH Service+

Remote Device Management

Public Cloud | DeviceOn | Private Cloud

Device Software Stack

Peripheral Integration Kit | Staging Go-Live Tool | Device Diagnostic Tool

Computing Platform

Edge Computers, Devices, and Sensors



USC/ASC
POS Systems



UTK
Self-Service KIOSKs



UTC
All-in-One Touch Computers



AIM
Industrial Tablets



UBX
Edge Computers & Servers



Touch Monitors & POS Peripherals



Add-on Readers



IoT Sensors



Installation Stands and Mounts

Technology

intel | Rockchip | Qualcomm | intel ARC | NVIDIA TESLA | HAILO | Windows | Android | Linux | Google

Industries and Target Applications

Retail

Smarter Retail, Better Engagement

Empower retail operations **with AI-driven self-checkouts, IoT analytics, and personalized marketing.** Streamline operations and improve customer experiences with integrated omnichannel solutions:

- Dynamic advertising signage with AI analytics
- Personalized merchandise recommendation signage
- Digital payment and POS systems
- Smart mirrors and virtual fitting rooms
- Intelligent people counting and queue management
- AI-powered loss prevention and self-checkout
- Automated checkout and click & collect services



Hospitality

Enabling Hyper-Personalized Guest Journeys

Enhance guest experiences with **AI-driven automation, sustainable practices, and real-time personalization.** Enhance operations with tailored solutions:

- Contactless check-in/out systems
- Digital concierge and AI virtual assistants
- Smart room controls
- eMenu boards, self-order KIOSKs, service tablets, POS systems, and kitchen display systems (KDS)
- Environmental sensing solution for food safety and quality management



Entertainment

Revolutionizing Immersive and Interactive Experiences

Engage audiences with gamified content, AR/VR innovations, and real-time crowd analytics.

- People-counting systems
- AI-powered crowd management solution
- Interactive signages for immersive experiences
- interactive gamified screens
- Loyalty management systems and KIOSKs
- Hybrid POS systems for pop-up setups to grab-and-go counters



Banking Services

Ensuring Secure and Frictionless Financial Journeys

Adapt to digital-first expectations with AI-powered customer interactions and next-gen self-service solutions.

- Queue management systems
- AI virtual assistants for customer support
- Digital signage displays
- Biometric authentication systems
- Self-service banking kiosks
- Digital information signages



Public Spaces

Building Resilient and Connected Communities

Revolutionize public environments with **edge computing, multimodal interactions, and sustainable solutions.** Create smarter, more efficient spaces with:

- Self-service ticketing machines and touch interfaces
- Interactive wayfinding and guidance displays
- Public communication signage and content management solution
- Vision AI-powered crowd flow analytics
- Toilet and service feedback system



Smart Buildings

Shaping Carbon-Neutral and Intelligent Spaces

Lead the way in energy efficiency, contactless automated management, and seamless IoT connectivity for modern buildings.

- Visitor management KIOSKs
- Facial AI-powered access control systems
- AIoT-based energy management solution
- Integrated IoT sensing solution for facility management

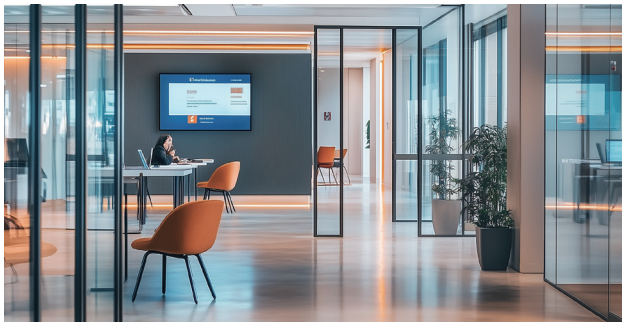


Smart Workplaces

Redefining Productivity in Hybrid Work Models

Optimize collaboration and flexibility with intelligent office technologies and employee-focused environments.

- Room booking touchscreens and digital signages
- Virtual concierge KIOSKs
- IoT room control interfaces
- Interactive collaboration displays

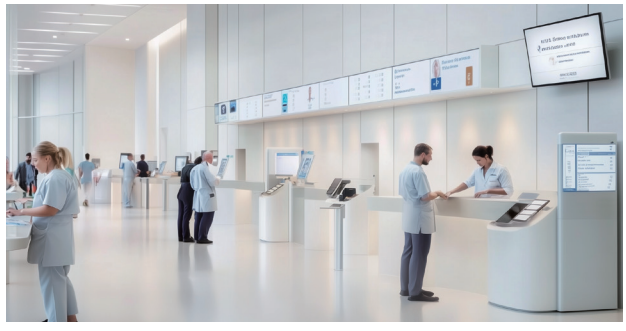


Healthcare

Supporting Staff and Streamlining Patient Flow

Revolutionize outpatient and public healthcare spaces with digital systems and technologies designed to improve service delivery, enhance patient experience, and minimize staff burden:

- Self-registration and check-in KIOSKs
- Interactive signage for information and wayfinding
- Queue management touchscreens
- Environmental sensing solution for comfort and safety



Retail Edge AI Solutions

iVisionSuite is an edge AI solution based on video analysis. By integrating display and video application software into Advantech hardware, it enhances safety, management efficiency, and customer engagement.

Edge AI Solution enables rapid deployment and direct integration on-site. Through comprehensive hardware and software integration, we offer the interactive digital signage platform SignageCMS, a diverse range of AI video analytics services with VisionSense, and advanced facial recognition management with FaceMatch.

On the analytics platform side, we provide SignageBI and CountingBI, featuring comprehensive data reporting. By leveraging data analysis, these tools assist managers in optimizing operational management.

Edge AI Solutions

iVisionSuite:

SignageCMS

- Signage design & dispatch
- IoT data display integration
- Vision AI integration into Signage

VIsionSense

- People counting & queue
- Face detection & analysis
- Object recognition

FaceMatch

- 99.8% accuracy facial recognition
- Access control/ attendance taking
- Face search and tracking

Domain Solution Platform

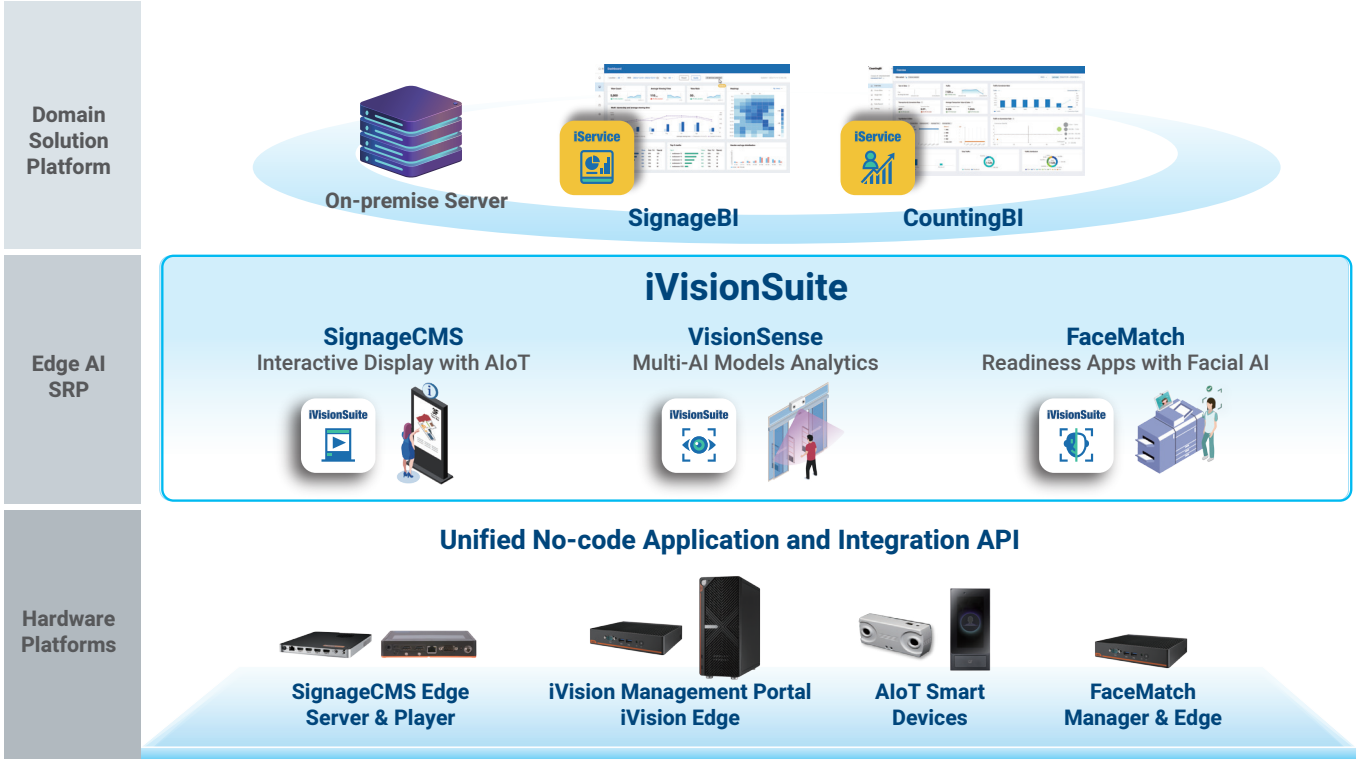
iService Platform:

SignageBI

- Media/ Player performance
- Customer demographics
- Store footfall analysis
- Interaction analysis

CountingBI

- POS data integration
- Store traffic insight
- Queue management



Interactive Digital Signage

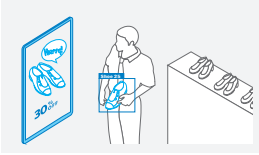
SignageCMS offers interactive display with AIoT. It is ideal for retail, hospitality, and public spaces. The SignageCMS platform supports multimedia content, real-time updates, and advanced analytics. Seamlessly integrated with vision AI and AIoT, SignageCMS enhances customer engagement, enables targeted advertising, and provides a robust platform for smart digital communication.

Interactive Signage Applications



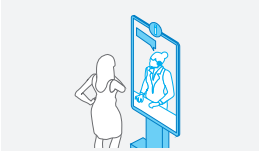
Targeted Marketing Signage

Display signage unique to the individual



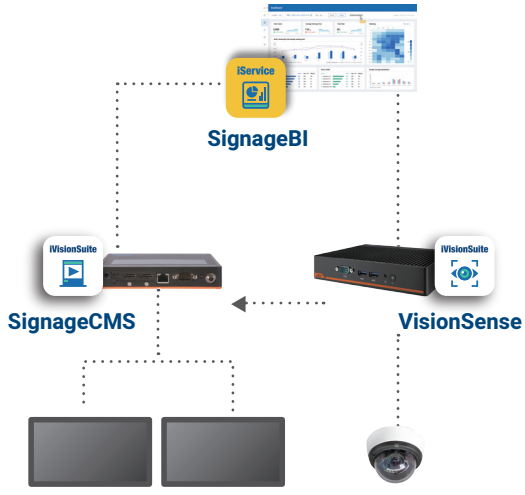
Object AI Signage

Object detection triggered advertisements

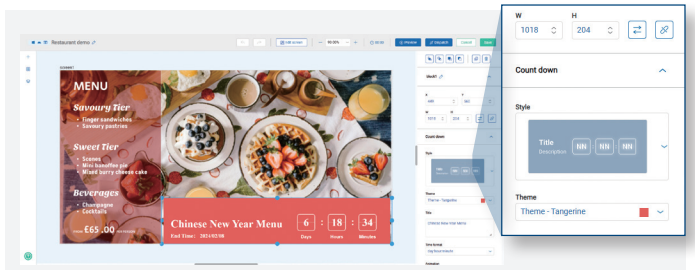


AI Agent Integration

LLM service implementation to enhance customer engagement

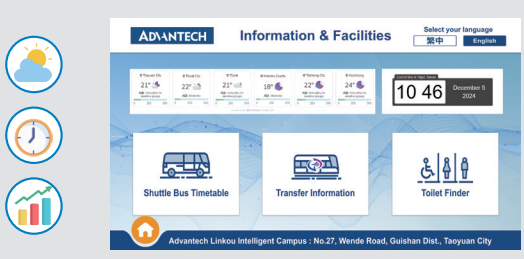


SignageCMS



Signage content design and dispatch

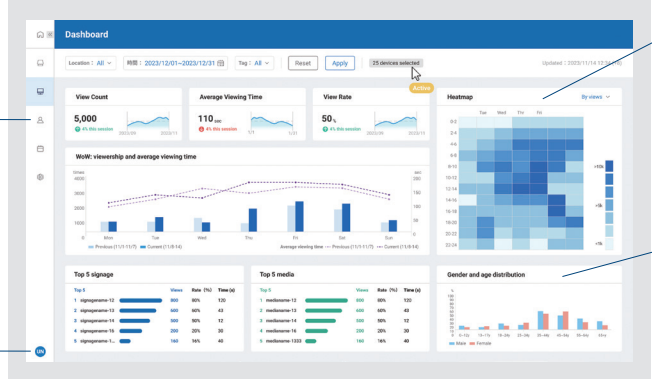
Interactive content design, schedule and dispatch.



AIoT sensors and widgets integration

Supports 30+ multimedia and a wide range of widgets, including a clock, ticker, and 3rd party applications.

SignageBI



Customer engagement

- View count
- Average viewing time
- Viewing rate
- Interaction analysis

Media/ player analysis

View count and viewing time

Heatmap

Foot traffic peak time

Customer demographic analysis

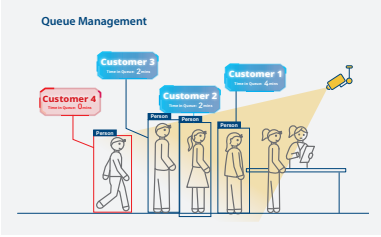
Age & gender analytics

Smart Queue and People Counting

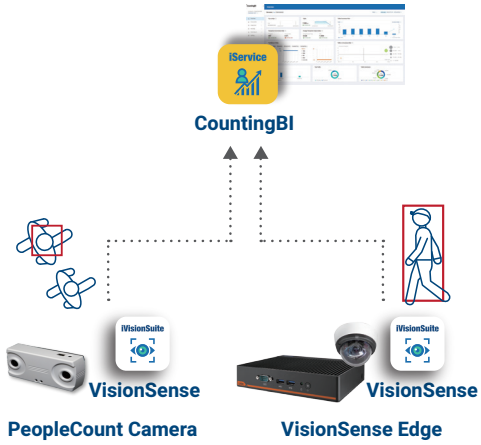
Advantech's People Counting and Smart Queue solutions leverage vision AI to accurately monitor foot traffic, queue lengths, and occupancy in real time. These solutions enhance safety, operational efficiency, improve customer experiences, and provide actionable insights through easy integration with existing systems and analytics platforms.

Smart Queue and People Counting Applications

- Retail smart queue integration
- People counting analysis
- Occupancy management
- Specific personnel calculation integrated with vision AI





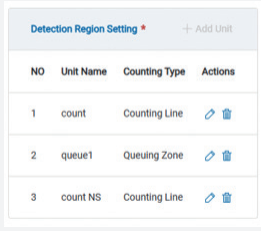


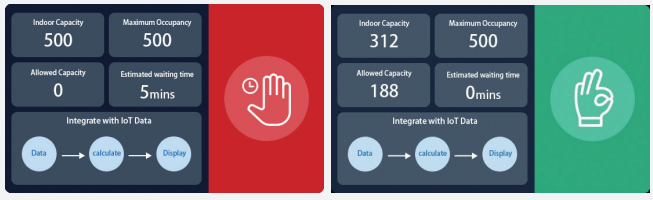
VisionSense

People counting for multiple entrances

Precisely count the number of people entering and leaving specific areas.







Smart queue

Calculate foot traffic for designated areas to monitor queue lengths and movement patterns.

Occupancy counting

Monitor and control footfall and occupancy for security management.

CountingBI

People Counting Dashboard

- Traffic
- Turn in rate
- Transaction & conversion rate



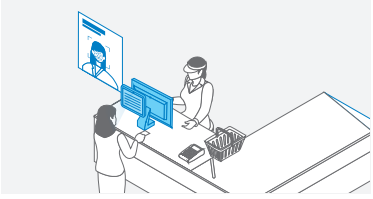
Cross sites comparison

- Top/Bottom 5 sites

Facial Recognition for Safety Management

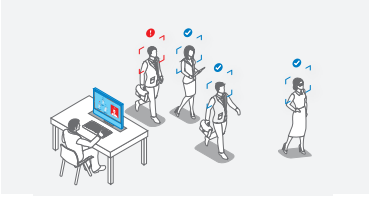
FaceMatch is facial recognition solution utilizes AI technology for accurate, real-time identification and authentication. Designed for security management, access control, and personalized services, it supports face detection, age and gender analysis. Through facial recognition edge AI system, this solution enhances safety, streamlines operations, and enables smarter, data-driven customer interactions.

AI facial Recognition Applications



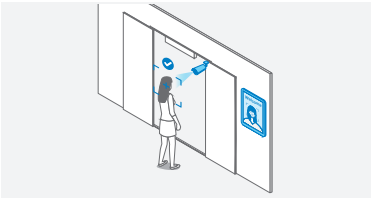
VIP notifications

Integrate with CRM system to send notification for VIP visits



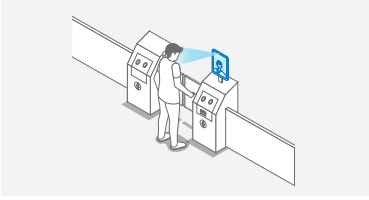
Security management

Send real-time alert for blacklisted individuals



Access control

Facial recognition access control enhances safety management



Attendance taking

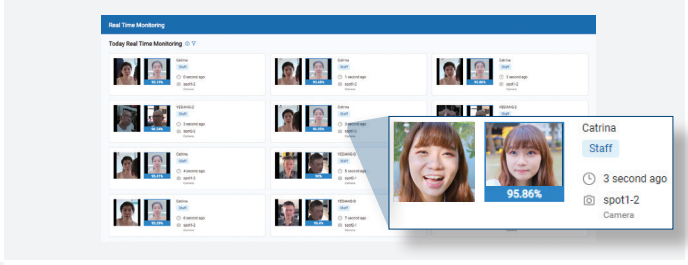
Built-in attendance taking feature in FaceMatch system

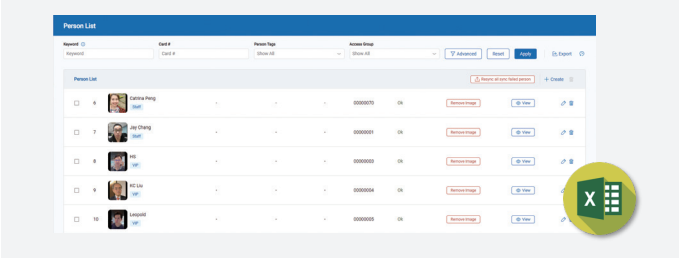


FaceMatch

Accurate facial recognition

Real-time facial recognition with 99.8% accuracy Taiwan AI engine. It can be applied to access control and attendance taking.





Flexible enrollment and management

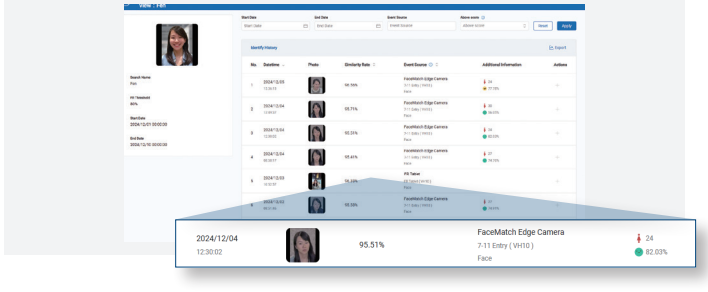
Easily import facial data from existing person databases, such as HR or CRM systems. Alternatively, batch enrollment can also be done via an Excel file.

Face ID search and match

Identify who is this face, use this face photo to match the enrolled person database.

Face Tracking

Use this face data to match the historical captured database with proper threshold settings.



IoT Sensing & Cold Chain Solutions

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



Gateways



USM-S67 Series
Compact Gateway



USM-S67 Series
Flagship Gateway

Sensors



LEO-S595-WB
Smart Button



LEO-S595-MS
Door Sensor



LEO-S573-C2
CO2 Sensor



LEO-S592-AQ
7-in-1 AQI Sensor



LEO-S552-TP
Dual Food Level Temp. Probe Sensor



LEO-S552-TH
Temperature / Humidity Sensor



LEO-S592-TP
Insertion Temperature Sensor



LEO-S572-TP
Temperature Probe Sensor

High-Penetration Data Transmission

Low Data Loss

Low Maintenance & Low Cost

Long Battery Life

Water and Dust Resistance

Application Scenarios



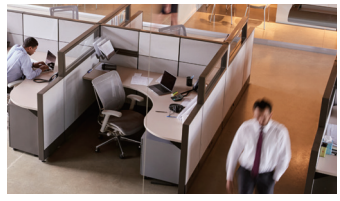
Cold Storage



Food Factories



Refridgerated Retail Stores



Public Space

Intelligent Energy Management Solutions

Advantech's WISE-IoT iEMS Suite technology offers a comprehensive smart energy solution for corporate carbon asset management (ISO 14064 / ISO 14067), energy management (ISO 50001), HVAC and air compressor efficiency, and motor efficiency. It is the ideal solution for global enterprises on their journey to carbon neutrality, providing solutions for carbon and energy management in their pursuit of sustainability

iEMS Suite Key Features:

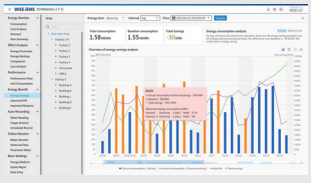
- Smart ISO-Compliant Carbon & Energy Management
- AI Empowered Intelligent Machines & Facilities Management
- HVAC/Compressors Systems Management & AI Controlling Energy Saving
- Gen AI Knowledge Database Creation & Services

Vertical Market

- Traditional Manufacturing
- High Tech Manufacturing
- Hospital & Finance
- Hotel & Retail

Carbon Management

Assist businesses to quickly generate ESG sustainability reports, helping them meet international standards such as carbon inventory (ISO 14064) and product carbon footprint (ISO 14067).

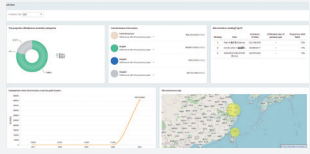


ESGInsight
ESG Reporting System

CarbonR
Carbon Assets Management

Energy Management

Monitor energy consumption of water, electricity, gas, steam, renewable energy, etc., and identify carbon emission hotspots through energy data analysis. This includes demand and allocation management, automated energy reporting, compliance with ISO 50001, energy-saving project management, and supporting businesses in completing intelligent energy transformation.



ECOWatch
Energy Management

Critical Energy Consumption Equipment Management

Achieve intelligent equipment management, AI energy-saving control, and predictive maintenance to improve management efficiency, save energy and manpower, extend equipment lifespan, and reduce loss risks.



HVAC
HVAC Energy Efficiency Management

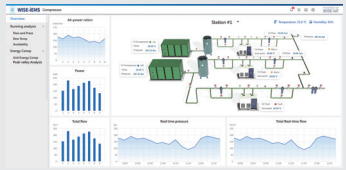
Compressor
Air Compressor Energy Efficiency Management

PHM
Rolling Pumps Efficiency Management

MachineUnite
Public Facility Equipment Management

Manufacturing Process Equipment and Environmental Management

Realize intelligent process management, optimize equipment utilization rate, product quality, workforce efficiency, and environmental health and safety, achieving overall production line efficiency optimization and manufacturing safety.



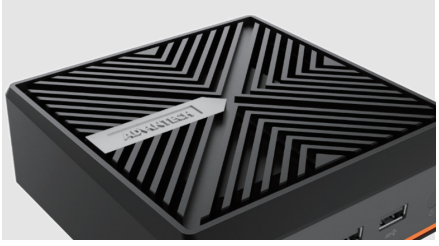
OEE
Overall Equipment Effectiveness

EHS
Environmental Health and Safety

Edge Computers and Servers

Drive the Future of Smart Cities with Intelligent Edge Computing





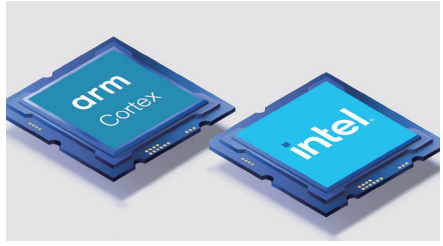
X-Type 3D Thermal Fin Design

A hallmark of the UBX series, enhancing thermal dissipation and unlocking extensive edge computing possibilities.



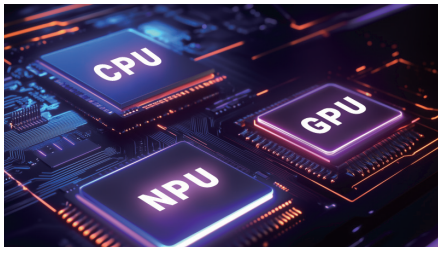
Flexible Installation and Patented Mounting Brackets

The UBX series supports multiple mounting options, including DIN-rail, magnetic, pole, wall, and VESA mounts. Its patented mounting bracket also enables easy installation with an adapter behind an all-in-one computer.



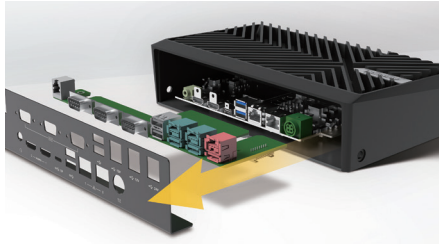
High-Performance, Stable Computing Processors

Powered by Intel® or ARM® processors, the UBX series is designed for various applications and supports Windows, Android, and Linux OS.



Scalable Computing for Edge AI

Featuring Intel® Core™ Ultra processors and PCIe expansion slots, the UBX series fulfills robust AI computing requirements with CPU, GPU, and NPU support.



Multiple I/O Options with Customization

The UBX series offers various I/O interfaces, including standard USB ports, powered USB, powered COM ports, and other customization options, making it suitable for a wide range of smart city applications.



Domain-Focused and Service-Ready Edge Computing

Built to industrial-grade standards with longevity support, the UBX series is compatible with iVisionSuite or other third-party AI software. It also supports DeviceOn remote management software and Device Software Stack, enabling rapid integration and easy deployment.

UBX-100 Series
Fanless Edge Computers

The UBX-100 series supports Windows, Android, and Linux OS, making it ideal for data processing. It's a strong match as an edge computer for AI applications such as object detection. With up to 4K or 8K UHD resolution, it's also suitable as a content and media signage player.



- x86 and Arm-Based Platforms Support Android, Windows, and Linux OS
- Ultra Compact Design and Multiple Mount Options
- Supports up to 4K or 8K UHD Video Quality

UBX-200 Series
Point-of-Sale Computers

The fanless UBX-200 series offers both powered and non-powered ports, making it ideal for pairing with touch monitors to serve as modular POS systems or self-service kiosks. Its rich I/O interfaces also make it suitable for semi-industrial applications.



- Powered and Non-Powered I/O Interfaces with Customization Options
- Easy Maintenance and Sleek Cable Management
- X-Type Fin Design Increases Thermal Dissipation Efficiency by Approximately 8%

UBX-300 Series
NUC-Sized Edge Computers

A compact, cubic edge computer series, ideal for smart city applications and offering scalable computing power in a small form factor. The UBX-300 series provides various configurations for AI and video analysis, IT management, and emergent conditions requiring real-time analysis and feedback.



- Intel® Core™ Ultra Processors Provide Three AI Engines: CPU, GPU, and NPU
- Flexible I/O Design and Expansion
- Designed for Channel Business and E-Commerce

UBX-500 Series
Mini Edge Servers

UBX-500 series servers efficiently handle, process, and store vast volumes of data close to where it is generated. Beyond data management, the UBX-500 series offers local computing and analysis with minimal network latency, making it well-suited for real-time AI applications.

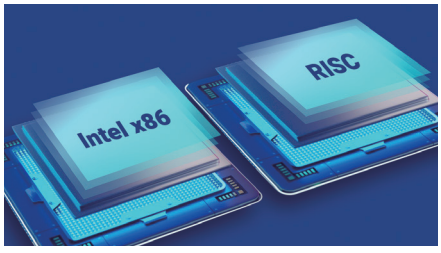


- Versatile Intel® Processors Compatibility Supports Windows and Windows Server OS
- Expandable with Pre-Certified Graphics and PCIe Add-Ons for AI Applications
- Easy Maintenance Hard Drive Cage for Large Storage Capability

All-in-One Touch Computers

Ubiquitous Innovation, Unmatched Touch Computing Platform





Purpose-Built Industrial Design and Computing Power

Each UTC computer series is designed with a unique form and specialized features to meet diverse application needs. Equipped with Intel® , Qualcomm, and Rockchip, UTC computers deliver a broad range of performance options for a purpose-built experience.



Fanless and Noise-Free

The UTC series offers enhanced reliability with no moving parts, silent operation, and resistance to dust. The fanless design ensures low maintenance and uninterrupted performance, making it perfect for mission-critical applications where durability and continuous uptime are essential.



Unified System Form Factor for Streamlined IT Management

The unified form factor supports consistent system updates, helping organizations maintain a seamless experience across UTC devices. This design reduces the total costs of ownership for IT training, deployment, migration, and maintenance.



Advanced Touchscreen Technology for Enhanced User Experience

Industrial-grade touch panels are engineered to perform reliably in high-volume public environments withstanding 24/7 operations. Choose between P-CAP or 5-wire resistive touchscreen options to suit specific operational requirements.



Modular Peripheral Options for Extended Functionality

The UTC system supports a variety of peripheral modules, enabling customers to equip their setup as business needs evolve or change while also helping to control initial implementation costs.



All-in-One Single Piece Design for Rapid Integration

This streamlined all-in-one design simplifies deployment, reduces installation time, and enhances flexibility for service and upgrades. It is an ideal solution for system integration into kiosk enclosures or self-service machines, offering an intuitive and engaging user interface.

UTC Zero Series
ARM-Based Enterprise All-in-One

The UTC Zero series offers display sizes of 10.1, 15.6, and 21.5 inches, powered by Android 14 with GMS, providing endless possibilities for enterprise solutions. It ensures a seamless, secure, and reliable user experience while supporting versatile applications.



- Android 14 with GMS
- 4-in-1 USB Type C including USB3.1, Display Port, PD2.0, Extension I/O
- 4-Way Peripheral Installation

UTC-100 Series
Slim and Compact All-in-One

The UTC-100 series features display sizes ranging from 15.6 to 23.8 inches, boasting a sleek, symmetrical design that seamlessly complements modern service venues. It delivers a harmonious user experience while providing industrial-grade security and reliability for diverse applications.



- Recessed 3-Way Cable Management with Lockable I/O Cover
- Landscape or Portrait Display Orientation
- Clean Back with Hidden Screw Design

UTC-200 Series
Open-Frame All-in-One

The open-frame UTC-200 series, available in 7 and 10.1-inch display sizes, is designed as a single-piece solution for seamless integration with existing equipment. With exceptional flexibility and customizability, it is the perfect choice for applications requiring tailored and integrated solutions, providing cost efficiency and enhanced functionality.



- Single-Piece, Easy-to-Install Solution
- Wide Display Size Options for Optimized Experience
- Flexible Customization Capabilities

UTC-300 Series
Panel-Mount All-in-One

The UTC-300 series offers versatile touch displays ranging from 7 to 21.5 inches, designed for seamless integration. Its detachable frame design supports various mounting options, including panel, pole, wall, and desktop installations, making it adaptable to diverse applications and environments.



- BGA and Socket-Type CPU Support
- Versatile Power Inputs: Lockable DC Input, Terminal Block, and Standard DC Input
- Wide Voltage Input

UTC-500 Series
Metal-Enclosed All-in-One

The UTC-500 series is engineered for durability in harsh environments, offering display sizes from 10.1 to 42.5 inches. Its robust metal enclosure ensures reliable performance, making it ideal for demanding industrial settings, high-traffic areas, and unattended service applications.



- Rugged Aluminum Enclosure
- Groove Design for Peripheral Installation
- Easy Access Storage Bay

Rugged UTC-500 Series
Stainless Steel All-in-One with IP66/IP69 Protection

The rugged UTC-500 series offers comprehensive IP66/69K-rated ingress protection, ensuring full defense against dust and 80°C high-pressure water jet sprays. Its SUS304 stainless steel enclosure delivers corrosion resistance and hygienic benefits, making it perfect for mission-critical applications in the food processing, biotech, and pharmaceutical industries.



- All-around IP66/69K with Lockable M12 Connectors
- -10 ~ 50°C Wide Operating Temperature
- Stainless Steel Housing for Easy Clean and Corrosion-Resistant

AIM Service & Industrial Tablet

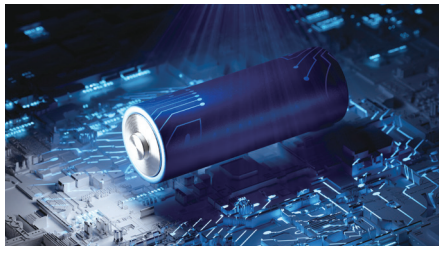
Your One-Stop Solution for Advanced Intelligent Mobility Applications





Reliable Wireless Connectivity

With real-time data access, staff can update inventory levels promptly, optimize shelf replenishments, and ensure seamless transition among tasks.



Long Hour Operation

Designed for long lasting retail performance, featuring one full work day high capacity batteries. Perfect for long shifts, inventory management tasks, and uninterrupted customer interaction experience.



Application-Oriented Peripherals

Supports extension modules such as barcode scanners, RFID readers, thermal printers, and magnetic cradles, enabling accurate reading, efficient inventory checking.



Durable Design

Features an IP65-rated design and 1.2m drop tolerance, ensuring durability in demanding retail environments. Resistant to dust, water, and drops, it minimizes downtime and repair costs.



Flexible Customization

Offers customizable peripherals, software, and hardware configurations, allowing tailored solutions for specific needs.



Remote Device Management Software

Enabling retailers to monitor, update, and troubleshoot devices from a central platform. This simplifies IT operations, reduces downtime, ensures security, and enhances efficiency.

AIM-77S

One-Stop Retail-Focused mPOS

With reliable connectivity, durable design, and optional MSR/Barcode Scanner/NFC Module/other accessories, AIM-77S is ideal for checkout counter, ticketing application, and offers great mobility for retail operations.



Quad Core ARM-Based SoC with Android 12

Faster Connectivity

Intelligent Power Design for Great Balance Between Mobility & Stationary

AIM-68S

Powerful Computing & Connectivity Performance

With an integrated barcode scanner and support peripherals like a 1D/2D scanner. It's perfect for inventory management, warehousing, and retail environments requiring speed, flexibility, and all-day operation.



Alder Lake-N Supports Excellent Performance and Windows 11

Faster Connectivity

Dock Mode, No Battery Needed

AIM-75S

Compact Size with AER & GMS Certifications

12 hours of uninterrupted performance with a swappable battery, ensuring all-day productivity. With its rugged design and peripherals like barcode scanners, it's built for heavy usage retail scenarios.



Snapdragon 660 Octa-Core with Android 12

Android Enterprise Recommended Certified

Google Mobile Service Certified

AIM-78S

Optimized Durable Design for Mobile and Stationary Applications

With WiFi/LTE connectivity and support for extension modules and docking peripherals, it's ideal for mobile retail tasks, enabling efficient operations with 6-hour battery life and seamless connectivity.



ARM-Based Platforms Support Android 13

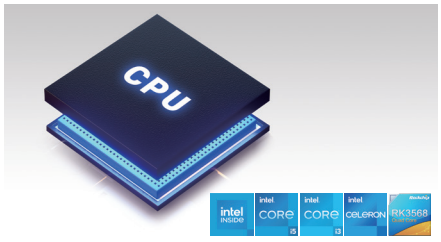
Replaceable Battery Design

Faster Apps, Smoother Scrolling

Intelligent POS Systems

Boost Sales and Streamline Operations Across Windows, Android, and Linux





Entry- to High-Level Computing Performance

The CPU options range from Intel® to Rockchip processors, fulfilling a wide range of applications across Windows, Android, and Linux.



Flexible Installation with Various Mounting Options

The USC series supports various types of mounting options, such as a dual-hinge stand, Avalo stand, pole mount, and VESA mount, making it adaptable to any environment.



Extendable Hub Capability

The extension I/O hubs, which include general USB and COM ports or poweredUSB and powered COM ports, can be connected to our POS systems via a USB-C cable. They can be installed beneath the POS system stands or used separately, ensuring flexible installation and neat cable management.



IP65-Rated Screen for Dust and Water Resistance

The USC series features a P-CAP touchscreen with an IP65-rated front panel, providing protection against water and dust, ensuring reliability for everyday use.



Easy Maintenance

The systems are designed for easy maintenance, allowing business owners to install and repair them smoothly without disrupting daily operations.



One-Stop Shop for POS Systems

Advantech provides optional peripherals including touchscreen monitors, add-on peripherals, such as MSR, scanners, RFID readers, and more. Additional options include thermal printers, cash drawers, and programmable keyboards to suit our POS terminals.

USC Zero Series

Google-Certified Android POS Systems

The USC Zero series is a POS system certified with Google EDLA, providing enhanced security, streamlined device management, and access to a robust ecosystem of Google services, ensuring a secure and efficient system for businesses.



- Google Mobile Service Certified, Supports Android and Linux OS
- Rich I/O Connections to Fullfill Various POS Systems Using Scenarios
- Compact and Ultra-Slim Design

UPOS-200 Series

Compact, Cost-Effective 4:3 POS Systems with x86 Platform

While widescreen formats have gained popularity, the 4:3 aspect ratio remains compelling due to its compatibility with a wide range of devices, both old and new. Our x86-based 4:3 POS systems support POSReady 7, Windows, and Linux.



- USB-C Connections Streamline Setups and Improve Funtionality
- Customizable I/O Interface Enables Seamless Connectivity with Various Peripherals
- Neat Cable Management Eases Troubleshooting and Upgrades

USC-300 Series

Ultra-Slim, Versatile 16:9 POS Systems with x86 or ARM Platforms

Nowadays, widescreen seems to be the design trend for monitor-related products. The optimal 16:9 ratio ensures superior accommodation for high-quality content. We provide a range of POS systems, both Arm-based and x86-based, designed in the 16:9 aspect ratio. These POS terminals support Windows, Android, and Linux OS.



- Slim Display with Anti-Glare Coating and Ultra-Thin Bezel
- Single USB-C Cable for Power, Audio, and Video
- Secondary Display Supports Both Integrated and Standalone Use

USC-500 Series

Compact POS Systems Integrating Peripherals into a Single Terminal

Imagine a POS system integrated with peripheral devices to streamline retail operations, that's what the USC-500 series offers. This customizable POS system series includes an integrated printer, barcode scanner, MSR, and customer-facing display, providing a space-saving installation and enhancing operational efficiency.



- A Footprint Smaller than A4 Size with Integrated Peripherals
- Flipable Main Display with Embedded Gravity Sensor
- Customizable Design for POS or Compact Self-Service Kiosk Applications

Self-Service KIOSKs

Modular, Versatile, and Reliable KIOSK Terminals for Modern Businesses





Full-Scope Deployment

Comprehensive deployment services ensure seamless integration of devices and peripherals. From Advantech Service-managed staging to global logistics, we support complete technology deployment for efficient operations.



Integrated Solutions

Advanced modular features include touchless gesture control, cash management systems, RFID integration, and camera/microphone support, enabling versatile and scalable kiosk applications.



Operational Optimization

Leverage Vision AI for loss prevention, facial recognition for customer insights, queue management, and AI-driven virtual assistants to optimize retail and self-service operations effectively.

Product Customization Service

Advantech offers scalable product customization services, ranging from basic system assembly to fully tailored solutions. Our flexible levels of customization ensure seamless adaptation to your unique business needs, enhancing efficiency and user experience.

Level 0 System Assembly	Level 1 Software Service	Level 2 Cosmetic Change	Level 3 ID and ME Change	Level 4 From Scratch
Level of Customization				
• Custom System Configurations • Added Accessories	• Golden Image Installation • Custom BIOS	• Custom Color of Enclosure or Bezel • Custom Logo, Label, or Package • Added Certifications	• PCBA revision • Custom I/O • Custom Built-in Module • Custom Bracket, Accessories, or Stands	• New ID • New Mechanical Design • New PCBA Design • **Tailored User Experience and Store Flow Chart**
Configure-To-Order Services		**Design To Order Services**		**Design and Manufacturing Service**

UTK-3000 Series

23.8/27/31.5-inch All-in-One Modular KIOSK with Comprehensive Devices and Advanced Application Features



- Customizability & Easy Maintenance
- Mis-Touch Protection & Jam-Free Printing
- AI-Powered Capabilities

UTK-7000 Series

15.6/21.5/23.8-inch Modular KIOSK with Seamless Integration and Flexible Configurations



Easy Service and Cable Management

- Configurable Computing Options
- Adaptable Touchscreen Size and Display Orientation
- Compact Design

Touch Monitors

Streamline Workflows and Elevate Customer Satisfaction at Every Touchpoints





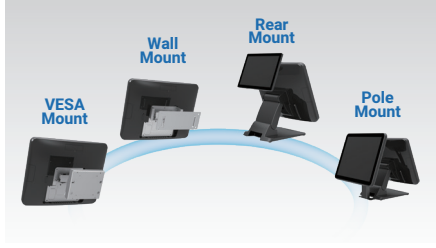
Modern and Slim Touch Monitor

The true flat, thin bezel P-CAP touch panel design with optional non-touch seamlessly integrates into customer-facing environments.



Diverse Video I/O Interfaces

The USC-M series supports VGA, HDMI, or USB-C connections..



Various Mounting Options

The USC-M series supports versatile mouting options, such as VESA (75 x 75 mm/100 x 100 mm) mounts, rear-mount, pole mount, or wall mount.



Diversified Peripheral Integration

The USC-M series supports RFID reader, barcode scanner, MSR, and camera modules.



Front Panel IP65 Protection

Rugged enclosure and all-around IP protection.



Tailored for Versatile Applications

The compact, portable size supports versatile uses, including as a secondary or main POS display, a touch monitor for kiosks, or a kitchen display system.

Small-Sized Touch Monitor

Reliable Monitors with a Compact Size, Ideal for Fitting Various Installation Spaces

This series offers monitor sizes ranging from 10.1-inch to 11.6-inch, with aspect ratios of 16:9 or 16:10. It provides resolutions of 1280 x 800 and 1366 x 768.



- Slim and Narrow Bezel
- Embedded RFID Reader and Camera Available
- Reserved Side Hatch for Optional Peripherals: MSR and iButton Modules

4:3 Touch Monitor

Designed for Legacy Devices and Software

The 4:3 touch monitor series is ideal for legacy software applications, offering a compact and reliable touch solution for environments that require traditional display ratios.



- 4:3 Aspect Ratio with 1024 x 768 Resolution
- Reserved Right, Left, and Top Hatch for Optional Peripherals
- Supports VGA, HDMI Connections, and USB-C (Optional)

USB-C Touch Monitor

Streamline Connectivity for Modern Display Applications

The USB-C touch monitor series offers streamlined connectivity with a single USB-C cable, delivering power, video, and data for modern display applications, ensuring seamless setup and enhanced performance.



- 3-In-1 USB-C Cable Delivers Power, Video, and Data Simultaneously
- 16:9 Aspect Ratio with 1920 x 1080 Resolution
- Supports Various Operating Systems

Rugged Touch Monitor

Built to Last with Reliable, Uninterrupted Connectivity

The rugged touch monitor is enclosed in a metal case with an aluminum bezel, providing reliable performance in diverse smart city applications.



- Designed with Metal Enclosure and Aluminum Bezel
- 16:9 Aspect Ratio with 1920 x 1080 Resolution
- Supports VESA Mount 100 x 100 mm

Peripherals, Devices, and Installation Accessories

We offer a comprehensive range of peripherals in addition to POS all-in-one touchscreen computers. These include extension hubs, POS attachments, devices such as printers, cash drawers, and more.



Extension I/O Hub



USC-P06-H01

An extension I/O hub can be powered via a power cord and provides power to the POS system through a USB-C port. It features 12V and 24V PoweredUSB and powered COM ports, offering greater connectivity options for POS peripherals such as VFDs, barcode scanners, displays, and programmable keyboards.



USC-P06-H02

A non-powered extension I/O hub can be connected to a POS system via a USB-C port, providing USB data, power, and video signal. It features 4 COM and 6 USB2.0 ports, ideal for connecting POS peripherals.

VFD



USC-P01-B201

The rear-mounted VFD featuring the brightness of ≥ 350 lux is tailored for UPOS-211 POS systems. It can be connected via a USB interface, and operate in temperatures ranging from 0 ~ 70°C.

Thermal Printers



URP-PT802-B400

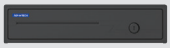
An 80mm thermal receipt printer offers a printing speed of 250mm/sec, supports a three-in-one interface (RS232, Ethernet, USB), and provides a complete OPOS driver for Windows and Linux OS. It also features 2D barcode printing, 203 dpi resolution, and a manual tear or auto-cutter for reliable and efficient operation.



URP-PT803-B400

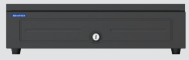
An 80mm or 58mm thermal receipt printer offers a printing speed of 260mm/sec, supports a three-in-one interface (RS232, Ethernet, USB), and provides a complete OPOS driver for Windows and Linux OS. It also features 2D barcode printing, 203 dpi resolution, and a manual tear or auto-cutter for reliable and efficient operation.

Cash Drawers



URP-CD335-B020

A cash drawer features a heavy-duty metal design, four adjustable bill slots, and five adjustable coin trays. It provides 12V RJ11 or RJ12 ports, ensuring seamless operation with receipt printers or POS systems.



URP-CD410

A cash drawer features a heavy-duty metal design, five adjustable bill slots, four adjustable coin trays, and four fixed coin trays. It provides 12V RJ11 or RJ12 ports, ensuring seamless operation with receipt printers or POS systems.

Hand-Held Bacode Scanners



URP-BH100-B000

A hand-held barcode scanner is designed for tough environments with its IP42-sealed, drop-resistant construction. It supports a wide range of 1D and 2D barcodes, and features dual-color LED illumination for optimal scanning in various lighting conditions.

Programmable Keyboards



URP-KP660-B100

The programmable keyboard offers 66 keys with multi-layer programming, providing access management flexibility. Its durable design supports up to 100 million keypresses, ensuring long-lasting performance in high-use environments. USB compatibility with DOS and Windows OS allows seamless integration, while an optional MSR peripheral expands its functionality for POS systems.



URP-KP840-B100

The programmable keyboard offers 84 keys with multi-layer functions for flexibility. Its durable design supports up to 100 million keypresses, ensuring long-lasting performance. USB compatibility with Windows, Android, and Linux OS enables easy integration. It also supports an optional MSR peripheral for expanded functionality.

ARES Industrial-Grade Mounting



ARES-1204G

Tug-resistant wall mount kit supports screens up to 32 inches, featuring flexible rotation, tilting, and swivel capabilities, plus a quick-release knob for easy adjustments.



ARES-5252G

Tiltable and swivelable wall arm supports screens up to 27 inches, featuring a tug-resistant VESA mount and an integrated cable management design for a clean setup.



ARES-2424X

Versatile desk stand supports screens up to 21.5 inches, featuring VESA compatibility, a tilt range of -2° to +180°, and a cable management design with white and black options.

ADVANTECH AURES POS & KIOSK

Exclusive Designs & Proven Technology



About ADVANTECH-AURES
Together We Are Stronger

Following its acquisition by ADVANTECH in October 2024, AURES now operates under the new ADVANTECH-AURES brand-name to reflect the collaboration between both companies.

The objective of A+A is to initiate growth from the retail & hospitality sectors and expand products and solutions into the broader

intelligent city services market with the vision of becoming a leading player in this field.

ADVANTECH-AURES has a strong heritage of over 35 years in POS & KIOSK product innovation and leadership, with well-established brand and channel networks across Europe, Australia, and the US, complemented by service support through RTG in the US.

The new A+A brand's ambition is to deliver a broader range of product portfolios, focusing on quality, design, and integrated AIoT solutions.

Remarkably Different
POS and Kiosk Systems by A+A

Exclusively designed and developed by AURES (now ADVANTECH-AURES), the equipment and systems manufactured by the group are the result of decades of experience and expertise in the POS and KIOSK sectors.

These hardware concepts were born from an early observation: design, shapes and ergonomics, which were neglected in the past, have become key elements in today's sales and marketing retail environments.

Functionalities and technologies, even the most advanced, are no longer the only requirements, as retailers and end-users want to choose shapes, styles and sometimes customized equipment to best support their brand Identity and customer journey.



JAZZ - ASC-315 Series

Attractive “Z” Shape & Slender Style
with New Technology
15”



YUNO II - ASC-415 Series

Extra Power & Performance, Lighter Design and
Optimized Ergonomics
15 or 15.6”



SANGO - ASC-515 Series

Irresistible & Emblematic Colourful POS
System with Exclusive, Innovative Concepts
15”



KWARTZ - UTK-8100 Series

Universal & Flexible
KIOSK Ordering Solution
27”



KOMET - UTK-8200 Series

Wall-Mounted or Freestanding,
Single or Double-sided KIOSK Solution
27”





KRYSTAL - UTK-8300 Series

Ultra Light and Compact
Kiosk System
15.1, 15.6, 17, and 21.5”

UBX

Product Selection Guide







Model Name		UBX-010RC	UBX-110H	UBX-110K
System	CPU	Rockchip RK3576 Quad-Core Cortex™-A72 Quad-Core Cortex™-A53	Intel® Celeron® 6305E Intel® Core™ i3-1115G4E Intel® Core™ i5-1145G7E Intel® Core™ i7-1185G7E	Intel® N97 Intel® Core™ i3-N305
	Operating System	Android 14 GMS Android 14 NON-GMS Debian	Windows 10 IoT LTSC 2021 Windows 11 IoT Linux Android 14.0	Windows IoT LTSC 2021 Windows 11 IoT Linux Android 14.0
Memory	Technology	LPDDR-4266	DDR4-3200	DDR5-4800
	Max. Capacity	4 GB (Non-ECC; 8 GB Optional)	32 GB (Non-ECC)	16 GB (Non-ECC)
	Socket	-	1 x DDR4 SO-DIMM	1 x DDR5 SO-DIMM
Storage	HDD	1 x Onboard eMMC 64GB / Micro SD Extension	-	-
	mSATA	-	-	-
	M.2	-	2 x M.2 2280 (SATA)	2 x M.2 2280 (SATA)
Display	Max. Resolution	4K (4096 x 2160 @ 120Hz)	8K (7680 x 4320 @ 60 Hz)	4K (4096 x 2160 @ 60Hz)
External I/O	I/O Type	-	-	-
	Serial	-	1 x COM	1 x COM
	USB	1 x USB-C 2 x USB 3.1 Type A	1 x USB-C 4 x USB 3.2 Type A	1 x USB-C 4 x USB 3.2 Type A
	PoweredUSB	-	-	-
	Output	1 x USB-C (DP 1.4)	1 x USB-C (via DisplayPort Protocol) 2 x HDMI	1 x USB-C 2 x HDMI2.1
	Cash Drawer	RJ-12	-	-
	Ethernet	1 x RJ-45	2 x RJ-45	2 x RJ-45
	Power Input (V)	12V	12V	12V
	Audio	1 x Line-Out + MIC-In (Combo Audio Jack)	1 x Line-Out	1 x Line-Out
Extension		1 x Optional Onboard Wi-Fi6 / BT5.2 Module	2 x M.2 2280 for Storage 1 x M.2 2230 for Wi-Fi, BT Combo Module 1 x M.2 3042 for LTE Module (Optional BOM)	2 x M.2 2280 for Storage 1 x M.2 2230 for Wi-Fi, BT Combo Module
Mounting		Wall, VESA, Din-Rail, Pole	Wall, VESA, Din-Rail	Wall, VESA, Din-Rail
Dimension (W x D x H)		161 x 81 x 19 mm	182.5 x 141 x 35 mm	182.5 x 141 x 35 mm

UBX

Product Selection Guide






	Model Name	UBX-210H		UBX-210K		UBX-310F	UBX-330M
System	CPU	Intel® Celeron® 6305E Intel® Core™ i3-1115G4E Intel® Core™ i5-1145G7E Intel® Core™ i7-1185G7E		Intel® N97 Intel® Core™ i3-N305		Intel® Core™ i3-6100U Intel® Core™ i5-6300U	Intel® Core™ Ultra 5 125H Intel® Core™ Ultra 5 135U Intel® Core™ Ultra 7 155U
	Operating System	Windows 10 IoT LTSC Windows 11 IoT Linux		Windows 10 IoT LTSC Windows 11 IoT Linux		Windows 7/10 POSReady7 Linux	Windows 10 LTSC 21H2 Windows 11 LTSC 24H2 Linux
Memory	Technology	DDR4-3200		DDR5-4800		DDR4-2133	DDR5-5600
	Max. Capacity	64 GB (Non-ECC)		16 GB (Non-ECC)		16GB	96GB
	Socket	1 x SO-DIMM		1 x SO-DIMM		1 x SO-DIMM	1 x SO-DIMM
Storage	HDD	-		-		1 x 2.5-inch SATA3.0 HDD/SSD	1 x 2.5-inch SATA3.0 HDD/SSD (with UBX-300E-SA00 expansion kit)
	mSATA	-		-		2 x mSATA	-
	M.2	2 x M.2 2280 (SATA)		2 x M.2 2280 (SATA)		-	1 x M.2 2280 (NVMe/SATA)
Display	Max. Resolution	8K (7680 x 4320 @ 60Hz)		4K (4096 x 2160 @ 60Hz)		3840 x 2160 @ 30Hz	-
External I/O	I/O Type	I/O Type A	I/O Type B	I/O Type A	I/O Type B	-	-
	Serial	1 x COM 3 x Powered COM (5V/12V)	4 x COM	1 x COM 3 x Powered COM (5V/12V)	4 x COM	4 x COM	2 x COM (with UBX-300E-CM00 expansion kit)
	USB	4 x USB 3.2 Type A 2 x USB 2.0 Type A	4 x USB 3.2 Type A 4 x USB 2.0 Type A	4 x USB 3.2 Type A 2 x USB 2.0 Type A	4 x USB 3.2 Type A 4 x USB 2.0 Type A	4 x USB 3.0 Type A 3 x USB 2.0 Type A	4 x USB 3.2 Type A 3 x USB 2.0 Type A
	PoweredUSB	1 x 24V P-USB 2 x 12V P-USB	-	1 x 24V P-USB 2 x 12V P-USB	-	-	-
	Output	1 x USB-C 2 x HDMI2.0b		1 x USB-C 2 x HDMI2.1		1 x VGA 1 x HDMI	1 x USB-C 1 x HDMI
	Cash Drawer	1 x RJ-12 (12V/24V)	-	1 x RJ-12 (12V/24V)	-	1 x RJ-11 (12V)	-
	Ethernet	2 x RJ-45		2 x RJ-45		2 x RJ-45	1 x RJ-45 1 x RJ-45 (with UBX-300E-CM00 expansion kit)
	Power Input (V)	24V	19V	24V	19V	12V	12V
	Audio	1 x Line-Out		1 x Line-Out		1 x Line-Out 1 x Mic-In	Mic-in/Line-out Combo Audio
	Extension	2 x M.2 2280 for Storage 1 x M.2 2230 for Wi-Fi, BT Combo Module		2 x M.2 2280 for Storage 1 x M.2 2230 for Wi-Fi, BT Combo Module		2 x F/S MiniPCIe	1 x M.2 2230 for Wi-Fi, BT Combo Module 1 x M.2 3042/3052 (with UBX-300E-TE00 expansion kit for 4G/5G communication)
	Mounting	Wall, Desktop		Wall, Desktop		Wall, VESA	Wall, VESA, Din-Rail, Pole
	Dimension (W x D x H)	234 x 145.77 x 58 mm		234 x 145.77 x 58 mm		245 x 185 x 45 mm	125 x 125 x 58.25 mm

UBX

Product Selection Guide





	Model Name	UBX-510SZ	UBX-510SL	USM-500R
System	**CPU**	Intel® Xeon® W-12xx Series Intel® 10th Gen Core™ i3/i5/i7 Series	Intel® 13th/12th Gen Core™ i7/i5/i3 Series	Intel® Core™ i3-8100T/9100TE Intel® Core™ i5-8500T/9500TE Intel® Core™ i7-8700T/9700TE
	Operating System	Windows Server 2019/2022 Windows 10/11	Windows Server 2022 Windows 10/11	Windows 10
Memory	Technology	DDR4-2933/2666/2400 (ECC/Non-ECC)	DDR5-4400/4000/3600 (ECC/Non-ECC)	DDR4-2400/2666
	Max. Capacity	128GB	128GB	128GB
	Socket	4 x U-DIMM	4 x U-DIMM	4 x U-DIMM
Storage	HDD	4 x 3.5-inch slim-type HDD/ 3 x 3.5-inch HDD/ 6 x 2.5-inch HDD w/Bracket	4 x 3.5-inch slim-type HDD/ 3 x 3.5-inch HDD/ 6 x 2.5-inch HDD w/Bracket	2 x 2.5-inch HDD/ 1 x 2.5-inch HDD and 1 x 3.5-inch HDD (optional)
	mSATA	-	-	-
	M.2	1 x M.2 2280 (NVMe/SATA)	1 x M.2 2280 (NVMe)	1 x M.2 2280 (NVMe/SATA)
Display	Max. Resolution	-	-	4096 x 2160 @ 60Hz
External I/O	I/O Type	-	-	-
	Serial	1 x COM	1 x COM	1 x COM
	USB	6 x USB 3.2 Type A	6 x USB 3.2 Type A	4 x USB 3.1 Type A 4 x USB 2.0 Type A
	PoweredUSB	-	-	-
	Output	1 x HDMI 1 x VGA 1 x DVI-D	1 x HDMI 1 x VGA 1 x DVI-D	1 x HDMI 2 x DisplayPort
	Cash Drawer	-	-	-
	Ethernet	4 x RJ-45	4 x RJ-45	2 x RJ-45
	Power Input (V)	500W	500W	500W
	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
	Extension	2 x PCIe x4 (Gen3) 1 x PCIe x16 (Gen3)	2 x PCIe x4 (Gen4) 1 x PCIe x16 (Gen5)	1 x PCIe x1 (Gen3) 1 x PCIe x4 (Gen3) 1 x PCIe x16 (Gen3) 1 x M.2 2230 for Wi-Fi, BT
	Mounting	-	-	-
Dimension (W x D x H)		160 x 370 x 380 mm	160 x 370 x 380 mm	320 x 132 x 310 mm

UTC

Product Selection Guide







Model Name		UTC-015RC	UTC-115G	UTC-115H	UTC-115I	UTC-115K
System	CPU	Rockchip RK3576	Intel® Pentium® N4200	Intel® Core™ i5-8365UE (Default, vPro) Intel® Core™ i3-8145UE	Intel® Core™ i5-1145G7E (Default) Intel® Core™ i3-1115G4E	Intel® Core™ i3-N305 Intel® N97
	TPM	N/A	N/A	TPM 2.0	TPM 2.0	TPM 2.0
Memory	Memory Technology	4 GB onboard	1 x DDR3L 1600 MHz	1 x DDR4 2400 MHz	1 x DDR4 3200 MHz	1 x DDR5 4800MHz
	Max Capacity	8G	8 GB	16 GB	32 GB	16 GB
Storage	SATA	64 GB onboard eMMC 5.1 (32GB optional)	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay
	mSATA	Micro SD card slot	N/A	N/A	N/A	N/A
Expansion Interface	Mini PCIe	N/A	N/A	N/A	N/A	N/A
	M.2	N/A	1 x M.2 2230 (WLAN) 1 x M.2. 2242	1 x M.2 2230 (WLAN) 1 x M.2 2242/2280	1 x M.2 2230 (WLAN) 1 x M.2 2242/2280	1 x M.2 2230 (WLAN) 1 x M.2 2242/2280
Audio	2 x 2W speakers	2 x 2W speakers	2 x 2W speakers	2 x 2W speakers	2 x 2W speakers	2 x 2W speakers
Network	Wake on LAN	Yes	Yes	Yes	Yes	Yes
	WiFi & Bluetooth	Optional	Optional	Optional	Optional	Optional
Display	Display Size/Type	15.6" TFT LCD	15.6" TFT LCD	15.6" TFT LCD	15.6" TFT LCD	15.6" TFT LCD
	Max Resolution	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)
	Brightness	500 cd/m²	300 cd/m²	300 cd/m² (FHD)	300 cd/m²	400 cd/m²
	Touch Screen	P-CAP	P-CAP	P-CAP	P-CAP	P-CAP
ExterN/Al I/O	COM	Optional by Hub: 2 x COM : RS-232/422/485	COM1: RS-232 2 x COM : RS-232/422/485	COM1: RS-232 2 x COM : RS-232/422/485	COM1: RS-232 2 x COM : RS-232/422/485	COM1: RS-232 2 x COM : RS-232/422/485
	USB Ports	1 x USB 3.2 Type-A 1 x USB 3.2 DP1.4 / PD2.0	4 x USB 3.0	4 x USB 3.0	3 x USB 3.2 Type-A 1 x USB 3.2 Type-C 1 x USB Type C (DC in)	2 x USB 3.2 Type-A 2 x USB 2.0 1 x USB 3.2 Type-C 1 x USB Type C (DC in)
	Graphic Output	1 x HDMI 2.1	1 x HDMI 1.4	1 x HDMI 1.4	1 x HDMI 1.4	1 x HDMI 1.4
	Audio Port	1 x Audio phone jack	1 x Audio phone jack	1 x Audio phone jack	1 x Audio phone jack	1 x Audio phone jack
	RJ-45 Ethernet	1 x Gigabit Ethernet (POE optional)	2 x Gigabit Ethernet (1 with PoE)	2 x Gigabit Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet
	DC In	DC Power Jack	DC Power Jack	DC Power Jack	DC Power Jack	DC Power Jack
Power	Power Consumption	DC Input Rating: 12 V/5 A, 60W Adapter	Typical 26W Max. 60W	Typical 45W Max. 60W	Typical 35W Max. 90W	Typical 45W Max. 90W
Environment	Operating Temperature	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)
	Relative Humidity	10 ~ 95% @ 40°C non-condensing	10 ~ 95% @ 40°C non-condensing	10 ~ 95% @ 40°C non-condensing	10 ~ 95% @ 40°C non-condensing	10 ~ 95% @ 40°C non-condensing
	Front Panel Protection	IP65 Compliant	IP65 Compliant	IP65 Compliant	IP65 Compliant	IP65 Compliant
	EMC	Class B	Class B	Class B	Class B	Class B
Mechanical	Construction	Plastic +SECC	Plastic +SECC	Plastic +SECC	Plastic +SECC	Plastic +SECC
	Mounting	VESA 100 x 100 mm	VESA 100 x 100 mm	VESA 100 x 100 mm	VESA 100 x 100 mm	VESA 100 x 100 mm
OS Support	Windows	N/A	Win 10 IoT Enterprise 64-bit	Win 10 IoT Enterprise 64-bit	Win 10/11 LTSC	Win 10/11 LTSC
	Android	with GMS/ Android 14	Android	N/A	Android	Android
	Linux	Linux Debian	Linux Ubuntu	Linux Ubuntu	Linux Ubuntu	Linux Ubuntu

UTC

Product Selection Guide






	Model Name	UTC-120G	UTC-120H	UTC-120I	UTC-120K
System	CPU	Intel® Pentium® N4200	Intel® Core™ i5-8365UE Intel® Core™ i3-8145UE	Intel® Core™ i5-1145G7E Intel® Core™ i3-1115G4E Intel® Celeron® 6305E	Intel® Core™ i3-N305 Intel® N97
	TPM		TPM 2.0	TPM 2.0	TPM 2.0
Memory	Memory Technology	1 x DDR3L 1600 MHz	1 x DDR4 2400 MT/s	1 x DDR4 3200 MHz	1 x DDR5 4800MHz
	Max Capacity	8 GB	16 GB	32 GB	16 GB
Storage	SATA	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay
	mSATA	N/A	N/A	N/A	N/A
Expansion Interface	Mini PCIe	N/A	N/A	N/A	N/A
	M.2	1 x M.2 2230 (WLAN) 1 x M.2.2242	1 x M.2 2230 (WLAN) 1 x M.2.2242/2280	1 x M.2.2230 (WLAN) 1 x M.2 2242/2280	1 x M.2.2230 (WLAN) 1 x M.2 2242/2280
Audio	Stereo Speaker	2W speaker x 2	2W speaker x 2	2W speaker x 2	2W speaker x 2
Network	Wake on LAN	Yes	Yes	Yes	Yes
	Wi-Fi & Bluetooth	Optional	Optional	Optional	Optional
Display	Display Size/Type	21.5" TFT LCD	21.5" TFT LCD	21.5" TFT LCD	21.5" TFT LCD
	Max Resolution	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)
	Brightness	250 cd/m²	250 cd/m²	250 cd/m²	250 cd/m²
	Touch Screen	P-CAP	P-CAP	P-CAP	P-CAP
ExterNAl I/O	COM	COM1: RS-232 COM2: RS-232/422/485	COM1: RS-232 COM2: RS-232/422/485	COM1: RS-232 COM2: RS-232/422/485	COM1: RS-232 COM2: RS-232/422/485
	USB Ports	4 x USB 3.0	4 x USB 3.0	3 x USB 3.2 Type-A 1 x USB 3.2 Type-C 1 x USB Type-C (DC in)	2 x USB 3.2 Type-A 2 x USB 2.0 1 x USB 3.2 Type-C 1 x USB Type-C (DC in)
	Graphic Output	1 x HDMI 1.4	1 x HDMI 1.4	1 x HDMI 1.4	1 x HDMI 1.4
	Audio Port	1 x Audio phone jack	1 x Audio phone jack	1 x Audio phone jack	1 x Audio phone jack
	RJ-45 Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet
	DC In	DC Power Jack	DC Power Jack	DC Power Jack	DC Power Jack
Power	Power Consumption	Typical 43.5W Max. 84W	Typical 60W Max. 84W	Typical 65W Max. 90W	Typical 55W Max. 90W
Environment	Operating Temperature	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)
	Relative Humidity	10 ~ 95% @ 40°C non-condensing	10 ~ 95% @ 40°C non-condensing	10 ~ 95% @ 40°C non-condensing	10 ~ 95% @ 40°C non-condensing
	Front Panel Protection	IP65 Compliant	IP65 Compliant	IP65 Compliant	IP65 Compliant
	EMC	Class B	Class B	Class B	Class B
Mechanical	Construction	Plastic +SECC	Plastic +SECC	Plastic +SECC	Plastic +SECC
	Mounting	VESA 100 x 100 mm	VESA 100 x 100 mm	VESA 100 x 100 mm	VESA 100 x 100 mm
OS Support	Windows	Win 10 IoT Enterprise 64-bit	Win 10 IoT Enterprise 64-bit	Win 10/11 LTSC	Win 10/11 LTSC
	Android	Android	N/A	Android	Android
	Linux	Linux Ubuntu	Linux Ubuntu	Linux Ubuntu	Linux Ubuntu

UTC
Product Selection Guide






	Model Name	UTC-124G1	UTC-124I1	UTC-124I3	UTC-124K
System	CPU	Intel® Celeron® J3455	Intel® Core™ i5-1145G7E Intel® Core™ i3-1115G4E	Intel® Core™ i7-1185G7E Intel® Core™ i5-1145G7E Intel® Core™ i3-1115G4E	Intel® Core™ i3-N305 Intel® N97
	TPM	N/A	TPM 2.0	TPM 2.0	TPM 2.0
Memory	Memory Technology	1 x DDR3L 1600 MHz	1 x DDR4 3200 MHz	1 x DDR4 3200 MHz	1 x DDR5 4800MHz
	Max Capacity	8 GB	32 GB	32 GB	16 GB
Storage	SATA	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay
	mSATA	N/A	N/A	N/A	N/A
Expansion Interface	Mini PCIe	N/A	N/A	N/A	N/A
	M.2	1 x M.2 2230 (WLAN) 1 x M.2.2242	1 x M.2.2230(WLAN) 1 x M.2 2242	1 x M.2 2230 (WLAN) 1 x M.2 2242/2280	1 x M.2.2230(WLAN) 1 x M.2 2242/2280
Audio	Stereo Speaker	2W speaker x 2	2W speaker x 2	2W speaker x 2	2W speaker x 2
Network	Wake on LAN	Yes	Yes	Yes	Yes
	Wi-Fi & Bluetooth	Optional	Optional	Optional	Optional
Display	Display Size/Type	23.8" TFT LCD	23.8" TFT LCD	23.8" TFT LCD	23.8" TFT LCD
	Max Resolution	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)
	Brightness	350 cd/m²	350 cd/m²	350 cd/m²	350 cd/m²
	Touch Screen	P-CAP	P-CAP	P-CAP	P-CAP
ExterNAl I/O	COM	COM1: RS-232 COM2: RS-232/422/485	COM1: RS-232 COM2: RS-232/422/485	COM1: RS-232 COM2: RS-232/485	COM1: RS-232 COM2: RS-232/422/485
	USB Ports	4 x USB 3.0	3 x USB 3.2 Type-A 1 x USB 3.2 Type-C 1 x USB Type-C (DC in)	2 x USB 2.0 4 x USB 3.2	2 x USB 3.2 Type-A 2 x USB 2.0 1 x USB 3.2 Type-C 1 x USB Type-C (DC in)
	Graphic Output	1 x HDMI 1.4	1 x HDMI 1.4	1 x HDMI 1.4	1 x HDMI 1.4
	Audio Port	1 x Audio phone jack	1 x Audio phone jack	1 x Line-out 1 x Mic-in	1 x Audio phone jack
	RJ-45 Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet
	DC In	DC Power Jack	DC Power Jack	DC Power Jack	DC Power Jack
Power	Power Consumption	Typical 43.5W Max. 90W	Typical 65W Max. 90W	Typical 68.5W Max. 90W	Typical 55W Max. 90W
Environment	Operating Temperature	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)
	Relative Humidity	10 ~ 95% @ 40°C non-condensing	10 ~ 95% @ 40°C non-condensing	10 ~ 95% @ 40°C non-condensing	10 ~ 95% @ 40°C non-condensing
	Front Panel Protection	IP65 Compliant	IP65 Compliant	IP65 Compliant	IP65 Compliant
	EMC	Class A	Class B	Class B	Class B
Mechanical	Construction	Plastic +SECC	Plastic +SECC	Plastic +SECC	Plastic +SECC
	Mounting	VESA 100 x 100 mm	VESA 100 x 100 mm	VESA 100 x 100 mm	VESA 100 x 100 mm
OS Support	Windows	Win 10 IoT Enterprise 64-bit	Win 10/11 LTSC	Win 10/11 LTSC	Win 10/11 LTSC
	Android	Android	Andriod	N/A	Android
	Linux	Linux Ubuntu	Linux Ubuntu	Linux Ubuntu	Linux Ubuntu

UTC

Product Selection Guide








Model Name		UTC-207G	UTC-210G	UTC-307G	UTC-307J	UTC-310G	UTC-310J
System	CPU	Intel® Celeron® N3350 Intel® Pentium® N4200	Intel® Celeron® N3350 Intel® Pentium® N4200	Intel® Celeron® N3350 Intel® Pentium® N4200	Intel® Celeron® J6412	Intel® Celeron® N3350 Intel® Pentium® N4200	Intel® Celeron® J6412
	TPM	N/A	N/A	N/A	TPM 2.0	N/A	TPM 2.0
Memory	Memory Technology	1 x DDR3L 1600 MHz	1 x DDR3L 1600 MHz	1 x DDR3L 1600 MHz	1 x DDR4-3200 MHz	1 x DDR3L 1600 MHz	1 x DDR4-3200 MHz
	Max Capacity	8 GB	8 GB	8 GB	32 GB	8 GB	32 GB
Storage	SATA	1 x M.2 2242 SSD	1 x M.2 2242 SSD	1 x M.2 2242 SSD	1 x M.2 2242 SSD	1 x M.2 2242 SSD 1 x 2.5 SATA drive bay	1 x M.2 2242 SSD 1 x 2.5 SATA drive bay
	mSATA	N/A	N/A	N/A	N/A	N/A	N/A
Expansion Interface	Mini PCIe	N/A	N/A	N/A	N/A	N/A	N/A
	M.2	1 x M.2 2230 (WLAN) 1 x M.2 2242	1 x M.2 2230 (WLAN) 1 x M.2 2242	1 x M.2 2230 (WLAN) 1 x M.2 2242	1 x M.2 2230 (WLAN) 1 x M.2 2242	1 x M.2 2230 (WLAN) 1 x M.2 2242	1 x M.2 2230 (WLAN) 1 x M.2 2242
Audio	Stereo Speaker	Optional	Optional	2W speaker x 1	2W speaker x 1	2W speaker x 1	2W speaker x 1
Network	Wake on LAN	Yes	Yes	Yes	Yes	Yes	Yes
	Wi-Fi & Bluetooth	Optional	Optional	Optional	Optional	Optional	Optional
Display	Display Size/Type	7" TFT LCD	10.1" TFT LCD	7" TFT LCD	7" TFT LCD	10.1" TFT LCD	10.1" TFT LCD
	Max Resolution	800 x 480	1280 x 800	800 x 480	800 x 480	1280 x 800	1280 x 800
	Brightness	450 cd/m²	350 cd/m²	450 cd/m²	450 cd/m²	350 cd/m²	350 cd/m²
	Touch Screen	P-CAP	P-CAP	P-CAP	P-CAP	P-CAP	P-CAP
ExterN/Al I/O	COM	COM1: RS-232 COM2: RS-232/422/485	COM1: RS-232 COM2: RS-232/422/485	COM1: RS-232 COM2: RS-232/422/485	COM1: RS232 COM2: RS-232/422/485	COM1: RS232 COM2: RS-232/422/485	COM1: RS232 COM2: RS-232/422/485
	USB Ports	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0	2 x USB 3.0	2 x USB3.0 2 x USB3.0 (Optional)	2 x USB3.0 2 x USB3.0 (Optional)
	Graphic Output	N/A	N/A	N/A	N/A	N/A	N/A
	Audio Port	N/A	N/A	N/A	N/A	N/A	N/A
	RJ-45 Ethernet	2 x Gigabit Ethernet (1 with PoE)	2 x Gigabit Ethernet	2 x Gigabit Ethernet (1 with PoE)	2 x Gigabit Ethernet	2 x Gigabit Ethernet (1 with Optional PoE)	2 x Gigabit Ethernet (1 with Optional PoE)
	DC In	DC Power Jack	DC Power Jack	DC Power Jack	DC Power Jack	DC Power Jack	DC Power Jack
Power	Power Consumption	Typical 25W Max 36W"	Typical 25W Max 36W"	Typical 25W Max 36W	Typical 21.5W Max 36W	Typical 25W Max 36W	Typical 29.3W Max 36W
Environment	Operating Temperature	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)
	Relative Humidity	10 ~ 95% @ 40°C non-condensing	10 ~ 95% @ 40°C non-condensing	10 ~ 95% @ 40°C non-condensing	10 ~ 95% @ 40°C non-condensing	10 ~ 95% @ 40°C non-condensing	10 ~ 95% @ 40°C non-condensing
	Front Panel Protection	IP65 Compliant	IP65 Compliant	IP65 Compliant	IP65 Compliant	IP65 Compliant	IP65 Compliant
	EMC	Class A	Class A	Class B	Class B	Class B	Class B
Mechanical	Construction	SECC	SECC	Plastic + SECC	Plastic + SECC	Plastic + SECC	Plastic + SECC
	Mounting	NA	NA	VESA 75 x 75 mm	VESA 75 x 75 mm	VESA 75 x 75 mm	VESA 75 x 75 mm
OS Support	Windows	Win 10 IoT Enterprise 64-bit	Win 10 IoT Enterprise 64-bit	Win 10 IoT Enterprise 64-bit	Win 10/11 LTSC	Win 10 IoT Enterprise 64-bit	Win 10/11 LTSC
	Android	Android 12	Android 12	Android 12	Android 12	Android 12	Android 12
	Linux	Linux	Linux	Linux	Linux	Linux	Linux

UTC

Product Selection Guide








Model Name		UTC-315H	UTC-315I	UTC-315K	UTC-315SL	UTC-318H	UTC-318I
System	CPU	Intel® Core™ i7-8665UE Intel® Core™ i5-8365UE (Default) Intel® Core™ i3-8145UE	Intel® Core™ i7-1185G7E Intel® Core™ i5-1145G7E (Default) Intel® Core™ i3-1115G4 Intel® Celeron® 6305E	Intel® Core™ i3-N305 Intel® N97 (Default)	Intel® Core™ i9-14900T/ i7-14700T/ i5-14500T (default)/ i5-14400T/ i3-14100T	Intel® Core™ i7-8665UE Intel® Core™ i5-8365UE (Default) Intel® Core™ i3-8145UE	Intel® Core™ i7-1185G7E Intel® Core™ i5-1145G7E (Default) Intel® Core™ i3-1115G4 Intel® Celeron® 6305E
	TPM	TPM 2.0	TPM 2.0	TPM 2.0	TPM 2.0	TPM 2.0	TPM 2.0
Memory	Memory Technology	1 x DDR4 2400 MHz	1 x DDR4 3200 MHz	1 x DDR5 4800 MHz	1x DDR5 4800MHz	1 x DDR4 2400 MHz	1 x DDR4 3200 MHz
	Max Capacity	32 GB	32 GB	16GB	32 GB	32 GB	32 GB
Storage	SATA	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay	N/A	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay
	mSATA	N/A	N/A	N/A	N/A	N/A	N/A
Expansion Interface	Mini PCIe	N/A	N/A	N/A	N/A	N/A	N/A
	M.2	1x M-Key 2280/2242 1x E-Key 2230	1x M.2 2280/2242 (M-Key) 1x M.2 2230 (E-Key)	1x M.2 2280/2242 (M-Key) 1x M.2 2230 (E-Key)	1x M.2 2280 (M-Key) 1x M.2 2230 (E-Key)	1x M.2 2280/2242 (M-Key) 1x M.2 2230 (E-Key)	1x M.2 2280/2242 (M-Key) 1x M.2 2230 (E-Key)
Audio	Stereo Speaker	2W speaker x 2	2W speaker x 2	2W speaker x 2	2W speaker x 2	2W speaker x 2	2W speaker x 2
Network	Wake on LAN	Yes	Yes	Yes	No	Yes	Yes
	Wi-Fi & Bluetooth	Optional	Optional	Optional	Optional	Optional	Optional
Display	Display Size/Type	15.6" TFT LCD	15.6" TFT LCD	15.6" TFT LCD	15.6" LCD	18.5" TFT LCD	18.5" TFT LCD
	Max Resolution	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1366 x 768 HD (Optional 1920 x 1080 FHD)	1366 x 768 HD (Optional 1920 x 1080 FHD)
	Brightness	220 cd/m²	220 cd/m²	220 cd/m²	400 cd/m²	250 cd/m² 350 cd/m² (FHD)	250 cd/m² 350 cd/m² (FHD)
	Touch Screen	P-CAP / Resistive / Glass	P-CAP / Resistive / Glass	P-CAP / Resistive / Glass	P-CAP	P-CAP / Resistive / Glass	P-CAP / Resistive / Glass
ExterN/AI I/O	COM	COM1: RS232 COM2: RS-232/485	COM1: RS232 COM2: RS-232/485	COM1: RS232 COM2: RS-232/422/485	COM1/COM2 : RS232/422/485	COM1: RS232 COM2: RS-232/485	COM1: RS232 COM2: RS-232/485
	USB Ports	6 x USB 3.1	4 x USB 3.2 2 x USB 2.0	2 x USB 3.2 Type A 2 x USB 2.0 Type A 1 x USB Type C (DC in) 1 x USB Type C	3 x USB 3.2 3 x USB 2.0	6 x USB 3.1	4 x USB 3.2 2 x USB 2.0
	Graphic Output	1 x HDMI 1.4 1 x DP	1 x HDMI 1.4	1 x HDMI 1.4	1 x HDMI 2.0	1 x HDMI 1.4 1 x DP	1 x HDMI
	Audio Port	1 x Audio phone jack	1 x Line-out, 1 x Mic-in	1 x Audio phone jack	1 x Audio phone jack	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in
	RJ-45 Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet
	DC In	DC Power Jack	DC Power Jack	DC Power Jack	DC Power Jack	DC Power Jack	DC Power Jack
Power	Power Consumption	Typical 32W Max. 70W	Typical 32W Max. 70W	Typical 40W Max. 70W	Max 180W	Typical 32W Max. 70W	Typical 32W Max. 70W
Environment	Operating Temperature	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	Fan: 0 ~ 45°C (32 ~ 113°F) Fanless: 0 ~ 45°C (32 ~ 113°F) with 0.7 m/s airflow	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)
	Relative Humidity	10 ~ 95% @ 40°C non-condensing	10 ~ 95% @40°C non-condensing	10 ~ 95% @40°C non-condensing	10 - 95% @ 40°C non-condensing	10 ~ 95% @ 40°C non-condensing	10 ~ 95% @40°C non-condensing
	Front Panel Protection	IP65 Compliant	IP65 Compliant	IP65 Compliant	IP65 Compliant	IP65 Compliant	IP65 Compliant
	EMC	Class A	Class A	Class A	Class A	Class A	Class A
Mechanical	Construction	Plastic + SECC	Plastic + SECC	Plastic + SECC	Plastic + SECC	Plastic + SECC	Plastic + SECC
	Mounting	VESA 75 x 75 mm	VESA 75 x 75 mm	VESA 75 x 75 mm	VESA 75 x 75 mm	VESA 100 x 100 mm	VESA 100 x 100 mm
OS Support	Windows	Win 10 IoT Enterprise 64bit	Win 10/11 LTSC	Win 10/11 LTSC	Win 10/11 LTSC	Win 10 LTSC	Win 10/11 LTSC
	Android	N/A	N/A	Android	N/A	N/A	N/A
	Linux	Linux	Linux	Linux	Linux	Linux	Linux

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Product Selection Guide






Model Name		UTC-320H	UTC-320I	UTC-320K	UTC-320SL
System	CPU	Intel® Core™ i7-8665UE Intel® Core™ i5-8365UE (Default) Intel® Core™ i3-8145UE	Intel® Core™ i7-1185G7E Intel® Core™ i5-1145G7E (Default) Intel® Core™ i3-1115G4E Intel® Celeron® 6305E	Intel® Core™ i3-N305 Intel® N97(Default)	Intel® Core™ i9-14900T/ i7-14700T/ i5-14500T (default)/ i5-14400T/ i3-14100T
	TPM	TPM 2.0	TPM 2.0	TPM 2.0	TPM 2.0
Memory	Memory Technology	1 x DDR4 2400 MHz	1 x DDR4 3200 MHz	1 x DDR5 4800 MHz	1x DDR5 4800MHz
	Max Capacity	32 GB	32 GB	16GB	32 GB
Storage	SATA	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay	N/A
	mSATA	N/A	N/A	N/A	N/A
Expansion Interface	Mini PCIe	N/A	N/A	N/A	N/A
	M.2	1x M.2 2280/2242 (M-Key) 1X M.2 2230 (E-Key)	1x M.2 2280/2242 (M-Key) 1X M.2 2230 (E-Key)	1x M.2 2280/2242 (M-Key) 1X M.2 2230 (E-Key)	1x M.2 2280 (M-Key) 1X M.2 2230 (E-Key)
Audio	Stereo Speaker	2W speaker x 2	2W speaker x 2	2W speaker x 2	2W speaker x 2
Network	Wake on LAN	Yes	Yes	Yes	No
	Wi-Fi & Bluetooth	Optional	Optional	Optional	Optional
Display	Display Size/Type	21.5" TFT LCD	21.5" TFT LCD	21.5" TFT LCD	21.5" LCD
	Max Resolution	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)
	Brightness	250 cd/m²	250 cd/m²	250 cd/m²	250 cd/m²
	Touch Screen	P-CAP / Resistive / Glass	P-CAP / Resistive / Glass	P-CAP / Resistive / Glass	P-CAP
ExterN/AI I/O	COM	COM1: RS232 COM2: RS-232/485	COM1: RS232 COM2: RS-232/485	COM1: RS232 COM2: RS-232/422/485	COM1/COM2: RS232/422/485
	USB Ports	6 x USB 3.1	4 x USB 3.2 2 x USB 2.0	2 x USB 3.2 Type A 2 x USB 2.0 Type A 1 x USB Type C (DC in) 1 x USB Type C	3 x USB 3.2 3 x USB 2.0
	Graphic Output	1 x HDMI 1.4 1 x DisplayPort	1 x HDMI 1.4	1 x HDMI 1.4	1x HDMI 2.0
	Audio Port	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in	1 x Audio phone jack	1 x Audio phone jack
	RJ-45 Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet
	DC In	DC Power Jack	DC Power Jack	DC Power Jack	DC Power Jack
Power	Power Consumption	Typical 45W Max. 80W	Typical 45W Max. 80W	Typical 45W Max. 80W	Max 180W
Environment	Operating Temperature	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	Fan: 0 ~ 45°C (32 ~ 113°F) Fanless: 0 ~ 45°C (32 ~ 113°F) with 0.7 m/s airflow
	Relative Humidity	10 ~ 95% @ 40°C non-condensing	10 ~ 95% @ 40°C non-condensing	10 ~ 95% @ 40°C non-condensing	10 ~ 95% @ 40°C non-condensing
	Front Panel Protection	IP65 Compliant	IP65 Compliant	IP65 Compliant	IP65 Compliant
	EMC	Class A	Class A	Class A	Class A
Mechanical	Construction	Plastic +SECC	Plastic +SECC	Plastic +SECC	Plastic +SECC
	Mounting	VESA 100 x 100 mm	VESA 100 x 100 mm	VESA 100 x 100 mm	VESA 100 x 100 mm
OS Support	Windows	Win 10 LTSC	Win 10/11 LTSC	Win 10/11 LTSC	Win 10/11 LTSC
	Android	N/A	N/A	Android 14	N/A
	Linux	Linux	Linux	Linux	Linux

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Product Selection Guide








Model Name		UTC-510D	UTC-510D (PoE)	UTC-510G	UTC-510J	UTC-510K	UTC-515H
System	CPU	Intel® Celeron® J1900	Intel® Celeron® J1900	Intel® Pentium® N4200	Intel® Celeron® J6412	Intel® Core™ i3-N305 Intel® N97(Default)	Intel® Core™ i7-8665UE Intel® Core™ i5-8365UE (Default) Intel® Core™ i3-8145UE
	TPM	N/A	N/A	N/A	TPM 2.0	TPM 2.0	TPM 2.0
Memory	Memory Technology	1 x DDR3L 1333 MHz	1 x DDR3L 1333 MHz	1 x DDR3L 1866 MHz	1 x DDR4 3200MHz	1 x DDR5 4800 MHz	1 x DDR4 2400 MHz
	Max Capacity	8 GB	8 GB	8 GB	32 GB	16GB	32GB
Storage	SATA	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay	N/A	N/A	1 x 2.5" SATA drive bay
	mSATA	1 x Half size mSATA	1 x Full-size mSATA	1 x Half size mSATA	N/A	N/A	N/A
Expansion Interface	Mini PCIe	1 x Half size MiniPCIe	1 Full size MiniPCIe 1 Half size MiniPCIe	1 x Full size MiniPCIe	N/A	N/A	N/A
	M.2	N/A	N/A	N/A	1 x M.2 E-Key 2230 1 x M.2 M-Key 2242	1 x M.2 E-Key 2230 1 x M.2 B-Key 2280 1 x M.2 B-Key 3052	1 x M.2 E-Key 2230 1 x M.2 B-Key 2280 (optional M.2 B-Key 3042)
Audio	Stereo Speaker	2W speaker x 1	2W speaker x 2	2W speaker x 1	2W speaker x 2	2W speaker x 2	1W speaker x 2
Network	Wake on LAN	Yes	Yes	Yes	Yes	Yes	Yes
	Wi-Fi & Bluetooth	Optional	Optional	Optional	Optional	Optional	Optional
Display	Display Size/Type	10.1" TFT LCD	10.1" TFT LCD	10.1" TFT LCD	10.1" TFT LCD	10.1" TFT LCD	15.6" TFT LCD
	Max Resolution	1280 x 800 (WXGA)	1280 x 800 (WXGA)	1280 x 800 (WXGA)	1280 x 800 (WXGA)	1280 x 800 (WXGA)	1366 x 768 HD (Optional 1920 x 1080 FHD)
	Brightness	350 cd/m²	350 cd/m²	350 cd/m²	350 cd/m²	350 cd/m²	400 cd/m²
	Touch Screen	P-CAP	P-CAP	P-CAP	P-CAP	P-CAP	P-CAP / Resistive
ExterN/AI I/O	COM	COM1: RS-232/422/485 COM2: RS-232	COM1: RS-232 COM2: RS-232/422/485	COM1: RS-232/422/485 COM2: RS-232	COM1: RS-232 COM2: RS-232/422/485	COM1: RS-232 COM2: RS-232/422/485	COM1: RS-232 COM2: RS-232/422/485
	USB Ports	1 x USB 3.0 1 x USB 2.0 2 x USB 2.0 (optional)	1 x USB 3.0 3 x USB 2.0 1 x USB 2.0 (optional)	2 x USB 3.0 2 x USB 2.0 (optional)	4 x USB 3.2	2 x USB 3.2 2 x USB 2.0	4 x USB 3.1
	Graphic Output	1 x VGA	1 x VGA	1 x VGA	1 x HDMI	1 x HDMI 1 x DisplayPort	1 x HDMI
	Audio Port	1 x Line-out, 1 x Mic-in	1 x Audio phone jack	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in
	RJ-45 Ethernet	1 x Gigabit Ethernet ports	2 x Gigabit Ethernet ports (1 with POE)	1 x Gigabit Ethernet ports	2 x Gigabit Ethernet ports	2 x Gigabit Ethernet	2 x Gigabit Ethernet
	DC In	DC Power Jack	DC Power Jack / PoE	DC Power Jack	DC Power Jack	DC Power Jack	DC Power Jack
Power	Power Consumption	Typical 25W Max. 36W	Typical 10W Max. 25W	Typical 25W Max. 36W	Typical 25W Max. 36W	Typical 35W Max. 40W	Typical 40W Max. 84W
Environment	Operating Temperature	0 ~ 35°C (32 ~ 95°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 45°C (32 ~ 113°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)
	Relative Humidity	95% @ 40°C non-condensing	95% @ 40°C non-condensing	95% @ 40°C non-condensing	95% @ 40°C non-condensing	95% @ 40°C non-condensing	95% @ 40°C non-condensing
	Front Panel Protection	IP65 Compliant	IP65 Compliant	IP65 Compliant	IP65 Compliant	IP65 Compliant	IP65 Compliant
	EMC	Class B	Class B	Class A	Class B	Class A	Class A
Mechanical	Construction	Aluminum+SECC+SGCC + Plastic	Aluminum+SECC+SGCC + Plastic	Aluminum+SECC+SGCC + Plastic	Aluminum+SECC+SGCC + Plastic	Aluminum+SECC+SGCC + Plastic	Aluminum+SECC+SGCC
	Mounting	VESA 75 x 75 mm	VESA 75 x 75 mm	VESA 75 x 75 mm	VESA 75 x 75 mm	VESA 75 x 75 mm	VESA 100 x 100 mm
OS Support	Windows	Win 10 LTSC	Win 10 LTSC	Win 10 LTSC	Win 10/11 LTSC	Win 10/11 LTSC	Win 10 LTSC
	Android	Android	Android	Android	Android	Android	N/A
	Linux	Linux Ubuntu	Linux Ubuntu	Linux Ubuntu	Linux Ubuntu	Linux Ubuntu	Linux Ubuntu

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Product Selection Guide








Model Name		UTC-515I	UTC-515J	UTC-515K	UTC-520H	UTC-520I	UTC-520J
System	CPU	Intel® Core™ i7-1185G7E Intel® Core™ i5-1145G7E(Default) Intel® Core™ i3-1115G4E	Intel® Celeron® J6412	Intel® Core™ i3-N305 Intel® N97(Default)	Intel® Core™ i7-8665UE Intel® Core™ i5-8365UE (Default) Intel® Core™ i3-8145UE	Intel® Core™ i7-1185G7E Intel® Core™ i5-1145G7E(Default) Intel® Core™ i3-1115G4E	Intel® Celeron® J6412
	TPM	TPM 2.0	TPM 2.0	TPM 2.0	TPM 2.0	TPM 2.0	TPM 2.0
Memory	Memory Technology	2 x DDR4 3200MHz	1 x DDR4 3200MHz	1 x DDR5 4800 MHz	1 x DDR4 2400 MHz	2 x DDR4 3200 MHz	1 x DDR4 3200Mhz
	Max Capacity	64 GB	32GB	16GB	32GB	64 GB	32GB
Storage	SATA	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay
	mSATA	N/A	N/A	N/A	N/A	N/A	N/A
Expansion Interface	Mini PCIe	N/A	N/A	N/A	N/A	N/A	N/A
	M.2	1 x M.2 E-Key 2230 1 x M.2 B-Key 3042 1 x M.2 M-Key 2280 (optional SATA)"	1 x M.2 E-Key 2230 (WLAN) 1 x M.2 M-Key 2242	1 x M.2 E-Key 2230 1 x M.2 B-Key 2280 1 x M.2 B-Key 3052	1 x M.2 E-key 2230 1 x M.2 B-key 2280 (optional M.2 B-Key 3042)	1 x M.2 E-Key 2230 1 x M.2 B-Key 3042 1 x M.2 M-Key 2280 (optional SATA)	1 x M.2 E-Key 2230 (WLAN) 1 x M.2 M-Key 2242
Audio	Stereo Speaker	2W speaker x 2	2W speaker x 2	2W speaker x 2	3W speaker x 2	3W speaker x 2	3W speaker x 2
Network	Wake on LAN	Yes	Yes	Yes	Yes	Yes	Yes
	Wi-Fi & Bluetooth	Optional	Optional	Optional	Optional	Optional	Optional
Display	Display Size/Type	15.6" TFT LCD	15.6" TFT LCD	15.6" TFT LCD	21.5" TFT LCD	21.5" TFT LCD	21.5" TFT LCD
	Max Resolution	1366 x 768 HD (Optional 1920 x 1080 FHD)	1366 x 768 HD (Optional 1920 x 1080 FHD)	1920 x 1080 FHD	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)
	Brightness	400 cd/m²	400 cd/m²	250 cd/m² (Optional 400 cd/m²)	250 cd/m² (Optional 400 cd/m²)	250 cd/m² (Optional 400 cd/m²)	250 cd/m² (Optional 400 cd/m²)
	Touch Screen	P-CAP / Resistive	P-CAP / Resistive	P-CAP / Resistive	P-CAP / Resistive	P-CAP / Resistive	P-CAP / Resistive
Exter/Al I/O	COM	COM1: RS-232/422/485 COM2: RS-232/422/485	COM1: RS-232 COM2: RS-232/422/485	COM1: RS-232 COM2: RS-232/422/485	COM1: RS-232 COM2: RS-232/422/485	COM1: RS-232/422/485 COM2: RS-232/422/485	COM1: RS-232 COM2: RS-232/422/485
	USB Ports	4 x USB3.2 1 x USB Type-C	4 x USB3.2	2 x USB 3.2 2 x USB 2.0 1 x USC Type-C	4 x USB 3.1	4 x USB3.2 1 x USB Type-C	4 x USB3.2
	Graphic Output	1 x HDMI 2.0 1 x DisplayPort	1 x HDMI 2.0 1 x DisplayPort	1 x HDMI 1 x DisplayPort	1 x HDMI	1 x HDMI 2.0 1 x DisplayPort	1 x HDMI 2.0 1 x DisplayPort
	Audio Port	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in	1 x Audio phone jack	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in
	RJ-45 Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet
	DC In	DC Power Jack	DC Power Jack	DC Power Jack	DC Power Jack	DC Power Jack	DC Power Jack
Power	Power Consumption	Typical 40W Max. 84W	Typical 40W Max. 84W	Typical 40W Max. 84W	Typical 40W Max. 84W	Typical 40W Max. 84W	Typical 40W Max. 84W
Environment	Operating Temperature	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)
	Relative Humidity	95% @ 40°C non-condensing	95% @ 40°C non-condensing	95% @ 40°C non-condensing	95% @ 40°C non-condensing	95% @ 40°C non-condensing	95% @ 40°C non-condensing
	Front Panel Protection	IP65 Compliant	IP65 Compliant	IP65 Compliant	IP65 Compliant	IP65 Compliant	IP65 Compliant
	EMC	Class B	Class B	Class B	Class A	Class B	Class B
Mechanical	Construction	Aluminum+SECC+SGCC	Aluminum+SECC+SGCC	Aluminum+SECC+SGCC	Aluminum+SECC+SGCC	Aluminum+SECC+SGCC	Aluminum+SECC+SGCC
	Mounting	VESA 100 x 100 mm	VESA 100 x 100 mm	VESA 100 x 100 mm	VESA 100 x 100 mm	VESA 100 x 100 mm	VESA 100 x 100 mm
OS Support	Windows	Win 10/11 LTSC	Win 10/11 LTSC	Win 10/11 LTSC	Win 10 LTSC	Win 10/11 LTSC	Win 10/11 LTSC
	Android	Android	Android	Android	N/A	Android	Android
	Linux	Linux Ubuntu	Linux Ubuntu	Linux Ubuntu	Linux Ubuntu	Linux Ubuntu	Linux Ubuntu

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Product Selection Guide







Model Name		UTC-520K	UTC-532I	UTC-532J	UTC-542I	UTC-542J
System	CPU	Intel® Core™ i3-N305 Intel® N97(Default)"	Intel® Core™ i7-1185G7E Intel® Core™ i5-1145G7E(Default) Intel® Core™ i3-1115G4E	Intel® Celeron® J6412	Intel® Core™ i7-1185G7E Intel® Core™ i5-1145G7E(Default) Intel® Core™ i3-1115G4E	Intel® Celeron® J6412
	TPM	TPM 2.0	TPM 2.0	TPM 2.0	TPM 2.0	TPM 2.0
Memory	Memory Technology	1 x DDR5 4800 MHz	2 x DDR4 3200 MHz	1 x DDR4 3200MHz	2 x DDR4 3200 MHz	1 x DDR4 3200MHz
	Max Capacity	16GB	64 GB	32GB	64 GB	32GB
Storage	SATA	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay
	mSATA	N/A	N/A	N/A	N/A	N/A
Expansion Interface	Mini PCIe	N/A	N/A	N/A	N/A	N/A
	M.2	1 x M.2 E-Key 2230 1 x M.2 B-Key 2280 1 x M.2 B-Key 3052	1 x M.2 E-Key 2230 1 x M.2 B-Key 3042 1 x M.2 M-Key 2280 (optional SATA)	1 x M.2 E-Key 2230 (WLAN) 1 x M.2 M-Key 2242	1 x M.2 E-Key 2230 1 x M.2 B-Key 3042 1 x M.2 M-Key 2280 (optional SATA)	1x M.2 E-Key 2230 (WLAN) 1x M.2 M-Key 2242
Audio	Stereo Speaker	3W speaker x 2	10W speaker x 2	10W speaker x 2	10W speaker x 2	10W speaker x 2
Network	Wake on LAN	Yes	Yes	Yes	Yes	Yes
	Wi-Fi & Bluetooth	Optional	Optional	Optional	Optional	Optional
Display	Display Size/Type	21.5" TFT LCD	31.5" TFT LCD	31.5" TFT LCD	42.5" TFT LCD	42.5" TFT LCD
	Max Resolution	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)
	Brightness	250 cd/m² (Optional 400 cd/m²)	300 cd/m²	300 cd/m²	450 cd/m²	450 cd/m²
	Touch Screen	P-CAP / Resistive	P-CAP	P-CAP	P-CAP	P-CAP
ExterN/Al I/O	COM	COM1: RS-232 COM2: RS-232/422/485	COM1: RS-232/422/485 COM2: RS-232/422/485	COM1: RS-232 COM2: RS-232/422/485	COM1: RS-232/422/485 COM2: RS-232/422/485	COM1: RS-232 COM2: RS-232/422/485
	USB Ports	2 x USB 3.2 2 x USB 2.0	4 x USB3.2 1 x USB 2.0 (Side) 1 x USB Type-C	4 x USB3.2 1 x USB 2.0 (Side)	4 x USB3.2 1 x USB 2.0 (Side) 1 x USB Type-C	4 x USB3.2 1 x USB 2.0 (Side)
	Graphic Output	1 x HDMI 1 x DisplayPort	1 x HDMI 1 x DisplayPort	1 x HDMI 1 x DisplayPort	1 x HDMI 1 x DisplayPort	1 x HDMI 1 x DisplayPort
	Audio Port	1 x Line-out, 1 x Mic-in	N/A	N/A	N/A	N/A
	RJ-45 Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet	2 x Gigabit Ethernet
	DC In	DC Power Jack	DC Power Jack	DC Power Jack	DC Power Jack	DC Power Jack
Power	Power Consumption	Typical 40W Max. 84W	Typical 95W Max. 230W	Typical 95W Max. 230W	Typical 95W Max. 230W	Typical 95W Max. 230W
Environment	Operating Temperature	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)
	Relative Humidity	95% @ 40°C non-condensing	95% @ 40°C non-condensing	95% @ 40°C non-condensing	95% @ 40°C non-condensing	95% @ 40°C non-condensing
	Front Panel Protection	IP65 Compliant	IP65 Compliant	IP65 Compliant	IP65 Compliant	IP65 Compliant
	EMC	Class A	Class B	Class B	Class B	Class B
Mechanical	Construction	Aluminum+SECC+SGCC	Aluminum+SGCC	Aluminum+SGCC	Aluminum+SGCC	Aluminum+SGCC
	Mounting	VESA 100 x 100 mm	VESA 200 x 200 mm	VESA 200 x 200 mm	VESA 200 x 200 mm	VESA 200 x 200 mm
OS Support	Windows	Win 10/11 LTSC	Win 10/11 LTSC	Win 10/11 LTSC	Win 10/11 LTSC	Win 10/11 LTSC
	Android	Android	Android	Android	Android	Android
	Linux	Linux Ubuntu	Linux Ubuntu	Linux Ubuntu	Linux Ubuntu	Linux Ubuntu

UTC

Product Selection Guide





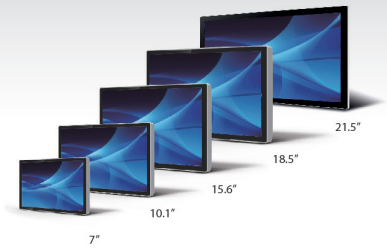

Model Name		UTC-515IT	UTC-515JT	UTC-520IT	UTC-520JT
System	CPU	Intel® Core™ i5-1145G7E	Intel® Celeron® J6412	Intel® Core™ i5-1145G7E	Intel® Celeron® J6412
	TPM	TPM 2.0	TPM 2.0	TPM 2.0	TPM 2.0
Memory	Memory Technology	2 x DDR4 3200 MHz	1 x DDR4 3200MHz	2 x DDR4 3200 MHz	1 x DDR4 3200MHz
	Max Capacity	64 GB	32GB	64 GB	32GB
Storage	SATA	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay	1 x 2.5" SATA drive bay
	mSATA	N/A	N/A	N/A	N/A
Expansion Interface	Mini PCIe	N/A	N/A	N/A	N/A
	M.2	1 x M.2 E-Key 2230 1 x M.2 B-Key 3042 1 x M.2 M-Key 2280 (optional SATA)	1x M.2 E-Key 2230 1x M.2 M-Key 2242	1 x M.2 E-Key 2230 1 x M.2 B-Key 3042 1 x M.2 M-Key 2280 (optional SATA)	1x M.2 E-Key 2230 1x M.2 M-Key 2242
Audio	Stereo Speaker	3W speaker x 2	3W speaker x 2	3W speaker x 2	3W speaker x 2
Network	Wake on LAN	Yes	Yes	Yes	Yes
	Wi-Fi & Bluetooth	Optional	Optional	Optional	Optional
Display	Display Size/Type	15.6" TFT LCD	15.6" TFT LCD	21.5" TFT LCD	21.5" TFT LCD
	Max Resolution	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)	1920 x 1080 (FHD)
	Brightness	500 cd/m² (Optional 1000 cd/m²)	500 cd/m² (Optional 1000 cd/m²)	250 cd/m² (Optional 500 cd/m² and 1200 cd/m²)	250 cd/m² (Optional 500 cd/m² and 1200 cd/m²)
	Touch Screen	P-CAP	P-CAP	P-CAP	P-CAP
ExterN/Al I/O	COM	COM1: RS-232 COM2: RS-232/422/485 (M12 waterproof connector)	COM1: RS-232 COM2: RS-232/422/485 (M12 waterproof connector)	COM1: RS-232 COM2: RS-232/422/485 (M12 waterproof connector)	COM1: RS-232 COM2: RS-232/422/485 (M12 waterproof connector)
	USB Ports	1 x USB 3.0 2 x USB 2.0 (M12 waterproof connector)	1 x USB 3.0 2 x USB 2.0 (M12 waterproof connector)	1 x USB 3.0 2 x USB 2.0 (M12 waterproof connector)	1 x USB 3.0 2 x USB 2.0 (M12 waterproof connector)
	Graphic Output	N/A	N/A	N/A	N/A
	Audio Port	N/A	N/A	N/A	N/A
	RJ-45 Ethernet	2 x Gigabit Ethernet (M12 waterproof connector)	2 x Gigabit Ethernet (M12 waterproof connector)	2 x Gigabit Ethernet (M12 waterproof connector)	2 x Gigabit Ethernet (M12 waterproof connector)
	DC In	DC Power Jack (M12 waterproof connector)	DC Power Jack (M12 waterproof connector)	DC Power Jack (M12 waterproof connector)	DC Power Jack (M12 waterproof connector)
Power	Power Consumption	Typical 35W Max. 120W	Typical 35W Max. 120W	Typical 35W Max. 120W	Typical 35W Max. 120W
Environment	Operating Temperature	-10 ~ 50°C (14 ~ 122°F)	-10 ~ 50°C (14 ~ 122°F)	-10 ~ 50°C (14 ~ 122°F)	-10 ~ 50°C (14 ~ 122°F)
	Relative Humidity	95% @ 40°C non-condensing	95% @ 40°C non-condensing	95% @ 40°C non-condensing	95% @ 40°C non-condensing
	Front Panel Protection	IP66/69K full system	IP66/69K full system	IP66/69K full system	IP66/69K full system
	EMC	Class B	Class B	Class B	Class B
Mechanical	Construction	Stainless+SGCC	Stainless+SGCC	Stainless+SGCC	Stainless+SGCC
	Mounting	VESA 100 x 100 mm	VESA 100 x 100 mm	VESA 100 x 100 mm	VESA 100 x 100 mm
OS Support	Windows	Win 10/11 LTSC	Win 10/11 LTSC	Win 10/11 LTSC	Win 10/11 LTSC
	Android	N/A	Android	N/A	Android
	Linux	Linux Ubuntu	Linux Ubuntu	Linux Ubuntu	Linux Ubuntu

1 Select A UTC Computer

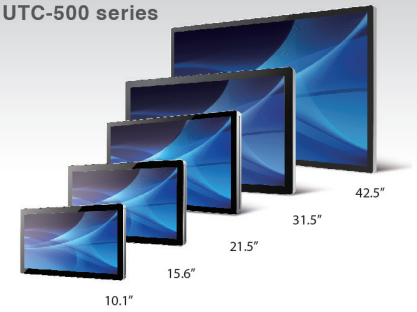
UTC-100 series



UTC-300 series



UTC-500 series



2 Select Peripheral Modules

Peripherals	Magnetic Stripe Reader	NFC / RFID Reader	Smart Card Reader	1D / 2D Barcode Reader	5MP Camera Module	Fingerprint Scanner	LED Light Bar
UTC-510							
UTC-515 / 520 / 532 / 542							
UTC-315 / 318 / 320							
UTC-307 / 310 Series							
UTC-100 Series							

3 Select Installation Accessories

Desktop Stands

Desk Stand



L-Stand
Exclusive for UTC-115



Avalo Stand



Desktop Stand
Exclusive for UTC-515/520



Dual Hinge Stand



UTK-7000 Desktop Stand



Floor Stands

Triangular Floor Stand
(VESA 75/100 mm)



H-Shape Floor Stand
(VESA 75/100)



UTK-7000 Floor Stand



AIM

Product Selection Guide






Model Name		AIM-68S	AIM-75S	AIM-77S	AIM-78S
System	Processor	Intel® Alder Lake-N N200 (Up to 3.7 GHz) Intel® N50 (Up to 3.4 GHz)	Qualcomm® Snapdragon™ 660 (Octa-core 2.2 GHz)	Rockchip RK3568 (Quad-core ARM Cortex-A55 up to 2 GHz)	Qualcomm® Snapdragon™ 660 (Octa-core 2.2 GHz)
	Memory	8GB LPDDR 5	4GB LPDDR4	4/8GB LPDDR4	4GB LPDDR4x
	OS	Windows 10 IoT, Windows 11	Android 12 with AER and GMS certification	Android 12	Android 13
Storage		128GB or 256GB M.2 NVMe SSD	64GB eMMC & micro SD	64GB/128GB eMMC 5.1 & micro SD	64GB eMMC & micro SD
Display	Type	10.1” FHD LCD	8" IPS LCD	10.1" IPS LCD	10.1” FHD LCD
	Resolution	WUXGA 1920 x 1200	WUXGA 1920 x 1200	WXGA 1280 x 800	WUXGA 1920 x 1200
	Touch Type	10-point, multi-touch PCAP	10-point, multi-touch PCAP	10-point, multi-touch PCAP	10-point, multi-touch PCAP
Wireless Communication		WLAN 6E, BT 5.3, NFC	WLAN, BT, NFC, WWAN (optional)	WLAN, BT, NFC(optional)	WLAN, BT, NFC, WWAN (optional)
Camera		Front: 5MP FF camera Rear: 13MP AF camera	Front: 5MP FF camera Rear: 8MP AF camera	Front: 5MP FF camera Rear: 8MP AF camera	Front: 8MP FF camera Rear: 13MP AF camera
Battery		11.55V, 46.3 Whr, 4010 mAh	3.8V, 18.6Whr, 4900mAh	7.7V, 34.19Wh, 4440mAh	10.8V, 26Whr, 2400mAh
I/O*		Standard I/O, extended I/O, docking I/O	Standard I/O, extended I/O, docking I/O	Standard I/O, docking I/O	Standard I/O, extended I/O, docking I/O
Environmental	Operating Temperature	-10 ~ 50°C (14 ~ 122°F)	-10 ~ 50°C (14 ~ 122°F)	0 ~ 40°C (32 ~ 104°F)	-10 ~ 50°C (14 ~ 122°F)
	Storage Temperature	-20 ~ 60°C (-4 ~ 140°F)	-20 ~ 60°C (-4 ~ 140°F)	-10 ~ 60°C (14 ~ 140°F)	-20 ~ 60°C (-4 ~ 140°F)
	IP Rating	IP65	IP65	IP54 (except MSR SKU)	IP65
	Drop Tolerance	Up to 120 cm (4 ft)	Up to 120 cm (4 ft)	75 cm (2.5 ft)	Up to 120 cm (4 ft)

Desk Dock/ Thermal Printer


3” BT Thermal Printer Docking


Magnet Office Cradle


Simple Cradle


8" Desk Dock


10" Desk Dock

Applicable Model	AIM-77S	AIM-77S	AIM-75S	AIM-75S	AIM-68S/78S
Features	· Embedded 3"" BT Thermal Prtiner · I/O: 2 x USB3.0, 1 x USB2.0 1 x RJ45, 1 x RJ11(Cash Drawer), 1 x RJ48(COM), DC-in Jack	· Full I/O: 2 x USB3.0, 1 x RJ45, 1 x RJ48(COM), DC-in Jack	USB 2.0, micro USB	· Full I/O: USB 2.0, RS-232, HDMI, power jack, battery charging station · Charger & USB: USB 2.0, power jack	· Full I/O: USB 2.0, RS-232, HDMI, power jack, battery charging station · Charger & USB: USB 2.0, power jack

VESA/Vehicle Dock


8" VESA Dock


10" VESA Dock


8" Vehicle Dock


10" Vehicle Dock

Applicable Model	AIM-75S	AIM-68S/78S	AIM-75S	AIM-68S/78S
Features	· VESA (75 x 75) standard mounting holes · Full I/O: USB 3.0, RS232, LAN, power jack · Charger & USB: USB 2.0, power jack	· VESA (75 x 75) standard mounting holes · Full I/O: USB 3.0, RS232, LAN, power jack · Charger & USB: USB 2.0, power jack	· Full I/O: CAN bus, DI, DO, odometer, USB 2.0, RS-232 + RS-485 (USB 2.0, power input), power jack · Charger only: Power input	· Full I/O: CAN bus, DI, DO, odometer, USB 2.0, RS-232 + RS-485 (USB 2.0, power input), power jack · Charger only: Power input

Extension Modul


Barcode Scanner 20°


Barcode Scanner 70°


LAN RJ-45 module


UHF RFID reader (flat type)

Applicable Model	AIM-68S/75S/78S	AIM-68S/75S/78S	AIM-68S/75S/78S	AIM-68S/75S/78S
Features	· Sensor: 640 x 480 CMOS sensor · Field of view: horizontal: 37.8°; vertical: 28.8°	· Sensor: 640 x 480 CMOS sensor · Field of view: horizontal: 37.8°; vertical: 28.8°	1 x 10/100 Ethernet port	· RFID output: 25W · Antenna type: Linear polarization · Frequency: EU: 867 ~ 869 MHz · Supported tag standard: EPC Class 2, Gen. 2/ ISO 18000-6C

Charging Station/ Accessories


Multi-Battery Charging Station


Multi-Tablet Charging Station


8" Rugged Case


10" Rugged Case

Applicable Model	AIM-68S/75S/78S	AIM-75S	AIM-75S	AIM-77S
Features	Support up to 4 batteries	Support up to 6 tablets	1.8 m drop resistance	1.2 m drop resistance

Strap


Hand Strap


Shoulder Strap (Portrait)


Shoulder Strap (Landscape)


Active Stylus

Applicable Model	AIM-68S/75S/77S/78S	AIM-68S/75S/77S/78S	AIM-68S/75S/78S	AIM-68S/75S/78S
	Stylus holder	Stylus holder	Stylus holder	

USC

Product Selection Guide






	Model Name	USC-015RC	UPOS-211K	USC-360H	USC-360J
System	Platform	ARM	x86	x86	x86
	Processor	Rockchip RK3576 Quad-core Cortex™-A72 + Cortex™-A53	Intel® N50 Intel® N97 Intel® Core™ i3-N305	Intel® Celeron® 6305E Intel® Core™ i3-1115G4E Intel® Core™ i5-1145G7E	Intel® Celeron® J6412
	Operating System	Android 14 Android 14 with GMS Debian	Windows 10 IoT LTSC Windows 11 GAC Windows 11 IoT LTSC Linux 22.04	Windows 10/11	Windows 10/11 Linux
Memory	Technology	4GB Onboard LPDDR4X-4266 (8GB Optional)	DDR5-4800	DDR4-3200	DDR4-3200
	Max. Capacity		16G	32 GB	32 GB
	Socket		1 x 262-pin SO-DIMM	1 x 260-pin SO-DIMM	1 x 260-pin SO-DIMM
	Storage	64 GB onboard eMMC 5.1	1 x 2.5" SATA HDD/SSD 1 x M.2 M-Key NVMe/SATA SSD	1 x M.2 2280 SSD	1 x M.2 2280 SSD
Display	Size	15.6" TFT LCD (1920 x 1080)	15" TFT LCD (1024 x 768)	15.6" TFT LCD (1920 x 1080)	15.6" TFT LCD (1920 x 1080)
	Touchscreen	P-CAP	P-CAP	P-CAP	P-CAP
	Brightness	350 cd/m2	300 cd/m² (350 cd/m² Optional)	220 cd/m² (350 cd/m² Optional)	220 cd/m² (350 cd/m² Optional)
External I/O	COM	2 x COM on Extension Hub	2 x COM DB9	4 x COM on Extension Hub	4 x COM on Extension Hub
	USB	2 x USB 3.0 1 x USB-C for USB 3.2 & Display & DC-In 2 x USB 2.0 (Side) 3 x USB 2.0 on Extension Hub	4 x USB 2.0 (1 x side) 2 x USB 3.2 1 x USB-C for USB 3.2 & Display 1 x USB-C for USB 3.2 1 x USB-C for DC-In	3 x USB-C (One for DP, One for DC-In, One for I/O Hub) 2 x USB 3.0 2 x USB 2.0 (Side)	3 x USB-C (One for DP, One for DC-In, One for I/O Hub) 2 x USB 3.0 2 x USB 2.0 (Side)
	Output	1 x DC-Jack	1 x USB-C	1 x USB-C	1 x USB-C
	Ethernet	1 x RJ-45 1G LAN Ethernet	2 x RJ-45 2.5G LAN Ethernet	1 x RJ-45 1G LAN Ethernet	1 x RJ-45 1G LAN Ethernet
	Cash Drawer	1 x RJ-12 (12V)	1 x RJ-11 (12 or 20V by Jumper)	1 x RJ-11 (12 or 20V by Jumper)	1 x RJ-11 (12 or 20V by Jumper)
	Audio	1 x Line-Out, 1 x Mic-In (Optional)	1 x Line-Out, 1 x Mic-In (Optional)	1 x Line-Out	1 x Line-Out
	Speaker	2 x 2W Speaker	1 x 2W Speaker	2 x 2W Speaker	2 x 2W Speaker
	Connectivity	Wi-Fi 6 or Bluetooth 5.0	1 x M.2 E-Key (for Wi-Fi and Bluetooth)	1 x M.2 Slot (for Wi-Fi and Bluetooth)	1 x M.2 Slot (for Wi-Fi and Bluetooth)
	IP Rating	IP65 (Front Panel)	IP65 (Front Panel)	IP65 (Front Panel)	IP65 (Front Panel)
	Dimension (W x H x D)	-	354 x 327 x 237 mm	381 x 230.5 x 31.5 mm	381 x 230.5 x 31.5 mm
Module	**Default**	-	-	-	-
Module Optional	Secondary Display	10.1" 1280 x 800 LCD (w/Single Desk Stand) 15.6" 1920 x 1080 LCD (w/Single Desk Stand)	9.7" LCD (Rear Mounted) 10.1" VFD LCD (Rear-Mounted) 11.6"/15"LCD (Pole-Mounted)	10.1" 1280 x 800 LCD (w/Single Desk Stand) 15.6" 1920 x 1080 LCD (w/Single Desk Stand)	10.1" 1280 x 800 LCD (w/Single Desk Stand) 15.6" 1920 x 1080 LCD (w/Single Desk Stand)
	Embedded Module	Wi-Fi, Bluetooth	Wi-Fi, Bluetooth	Wi-Fi, Bluetooth	Wi-Fi, Bluetooth
	Stand	Dual-Hinge Desk Stand	Dual-Hinge Desk Stand	Dual-Hinge Desk Stand	Dual-Hinge Desk Stand
	Others	-	-	-	-
Add-On Peripheral	MSR	Y	Y	Y	Y
	Barcode Scanner	Y	Y	Y	Y
	RFID	Y	Y	Y	Y
	IC Card Reader	N	N	N	N

USC

Product Selection Guide









Model Name		USC-360D	USC-365H	USC-513RB	USC-513K
System	Platform	ARM	x86	ARM	x86
	Processor	Rockchip RK3568 Quad-Core Cortex™-A55	Intel® Celeron® 6305E Intel® Core™ i3-1115G4E Intel® Core™ i5-1145G7E	Rockchip RK3568 Quad-Core Cortex™-A55	Intel® N97 Intel® Core™ i3-N305
	Operating System	Android 12 Linux	Windows 10 Windows 11	Android 12 Linux	Windows 11 IoT LTSC Linux 22.04
Memory	Technology	4GB onboard	DDR4-3200	4GB Onboard LPDDR4X-4266 (8GB Optional)	DDR5-4800
	Max. Capacity		32 GB		16G
	Socket		1 x 260-pin SO-DIMM		1 x 262-pin SO-DIMM
Storage		32GB onboard eMMC	1 x M.2 2280 SSD	64GB onboard eMMC	1x M.2 M-Key 2242 SATA
Display	Size	15.6" TFT LCD (1920 x 1080)	15.6" TFT LCD (1920 x 1080) w/ Anti-Glare Coating	13.3" TFT LCD (1920 x 1080)	13.3" TFT LCD (1920 x 1080)
	Touchscreen	P-CAP	P-CAP	P-CAP	P-CAP
	Brightness	220 cd/m² (350 cd/m² Optional)	350 cd/m²	300 cd/m²	300 cd/m²
External I/O	COM	4 x COM on Extension Hub	4 x COM on Extension Hub	2 x RS232 1 x RJ-48	2 x RS232 1 x RJ-48
	USB	3 x USB-C (One for DP, One for DC-In, One for I/O Hub) 2 x USB 3.0 2 x USB 2.0 (Side)	3 x USB-C (One for DP, One for DC-In, One for I/O Hub) 2 x USB 3.0	2 x USB 3.0 (One for OTG) 4 x USB 2.0	2 x USB 3.0 4 x USB 2.0
	Output	1 x USB-C	1 x USB-C	-	-
	Ethernet	1 x RJ-45 1G LAN Ethernet	1 x RJ-45 1G LAN Ethernet	1 x RJ-45 1G LAN Ethernet	1 x RJ-45 2.5G LAN Ethernet
	Cash Drawer	1 x RJ-11 (12 or 20V by Jumper)	1 x RJ-11 (12 or 24V by Jumper)	1 x RJ-11 (12V)	1 x RJ-11 (12V)
	Audio	1 x Line-Out	1 x Line-Out	-	-
	Speaker	2 x 2W Speaker	2 x 2W Speaker	2 x 2W Speaker	2 x 2W Speaker
Connectivity		1 x Mini PCIe for 4G or 1 x M.2 for 5G (Optional)	1 x M.2 Slot (for Wi-Fi and Bluetooth)	Wi-Fi 5 or Bluetooth 5.0	1 x M.2 Slot (for Wi-Fi and Bluetooth)
IP Rating		IP65 (Front Panel)	IP65 (Front Panel)	IP65 (Front Panel)	IP65 (Front Panel)
Dimension (W x H x D)		381 x 230.5 x 31.5 mm	371 x 220 x 26.5 mm	171.5 x 170 x 305 mm (Dual Display) 171.5 x 170 x 246 mm (Single Display)	171.5 x 170 x 305 mm (Dual Display) 171.5 x 170 x 246 mm (Single Display)
Module	**Default**	-	-	Desk Stand with Embedded 80 mm Thermal Printer with Auto-Cutter, 170 mm/s Max.	Desk Stand with Embedded 80 mm Thermal Printer with Auto-Cutter, 170 mm/s Max.
Module – Optional	Secondary Display	10.1" 1280 x 800 LCD (w/Single Desk Stand) 15.6" 1920 x 1080 LCD (w/Single Desk Stand)	10.1" 1280 x 800 LCD (w/Single Desk Stand)	13.3" FHD LCD With or Without Touchscreen (Optional)	13.3" FHD LCD With or Without Touchscreen (Optional)
	Embedded Module	Wifi, Bluetooth	Wifi, Bluetooth	Wifi, Bluetooth, Gravity Sensor (Support Flipable Main Display)	Wifi, Bluetooth, Gravity Sensor (Support Flipable Main Display)
	Stand	Dual-Hinge Desk Stand	Dual-Hinge Desk Stand	-	-
	Others	-	-	-	-
Add-On Peripheral	MSR	Y	Y	Support ISO TK1, 2 & 3 (Optional)	Support ISO TK1, 2 & 3 (Optional)
	Barcode Scanner	Y	Y	Embedded 1D/2D Scanner	Embedded 1D/2D Scanner
	RFID	Y	Y	Supports ISO/IEC 14443A/MIFARE Reader, FeliCa Reader, ISO/IEC 14443B Reader (Optional)	Supports ISO/IEC 14443A/MIFARE Reader, FeliCa Reader, ISO/IEC 14443B Reader (Optional)
	IC Card Reader	N	Y	N	N

ASC

Product Selection Guide







Model Name		YUNO-II		YUNO-II		SANGO
		ASC-415JC	ASC-415JW	ASC-415IC	ASC-415IW	ASC-515JC
System	Platform	x86		x86		x86
	Processor	Intel® J6412 Elkhart Lake		Intel® Core™ i3-1115G4E Intel® Core™ i5-1145G7E Tiger Lake		Intel® J6412 Elkhart Lake
	Operating System	Windows 10 IoT LTSC Windows 11 IoT LTSC Linux		Windows 10 IoT LTSC Windows 11 IoT LTSC Linux		Windows 10 IoT LTSC Windows 11 IoT LTSC Linux
Memory	Technology	DDR4-3200		DDR4-3200		DDR4-3200
	Max. Capacity	32GB		32GB		328GB
	Socket	1 x 260-pin SO-DIMM		1 x 260-pin SO-DIMM		1 x 260-pin SO-DIMM
Storage		256GB standard 2 x M.2 2280 SSD		256GB standard 2 x M.2 2280 SSD		256GB standard 2 x M.2 2280 SSD
Display	Size	15" TFT LCD (1024 x 768)	15.6" TFT LCD (1920 X 1080)	15" TFT LCD (1024 x 768)	15.6" TFT LCD (1920 X 1080)	15" TFT LCD (1024 x 768)
	Touchscreen	P-CAP		P-CAP		P-CAP
	Brightness	400 cd/m2		400 cd/m2		350 cd/m2
External I/O	COM	2 x COM RJ50		2 x COM RJ50		4 x COM RJ50
	USB	6 x USB3.0 1 x USB-C		6 x USB3.0 1 x USB-C		6 x USB3.0 1 x USB-C
	Output					1 x miniDP (proprietary)
	Ethernet	1 x RJ-45		2 x RJ-45		1 x RJ-45
	Cash Drawer	1 x RJ12		1 x RJ12		1 x RJ12
	Audio					1 x line-out (option)
	Speaker	1 x 2W speaker		1 x 2W speaker		1 x 3W speaker
Connectivity						
IP Rating		IP54 (Front Panel)		IP54 (Front Panel)		IP54 (Front Panel)
Dimension (W x H x D)		342.9 x 167.5 x 303.8 mm	382 x 170.51 x 276.12 mm	342.9 x 167.5 x 303.8 mm	382 x 170.51 x 276.12 mm	401.9 x 297.9 x 221.9 mm
Module	Default					
	Optional: Secondary Display	2 x 20 lines LCM display (Rear-Mounted) 10,1""LCD 1280 x 800 (Rear-Mounted)		2 x 20 lines LCM display (Rear-Mounted) 10,1""LCD 1280 x 800 (Rear-Mounted)		2 x 20 lines VFD display (Rear-Mounted) 10,1""LCD 800 x 600 (Rear-Mounted)
	Optional: Embedded Module					
	Optional: Stand	Single-Hinge Desk Stand		Single-Hinge Desk Stand		Single-Hinge Desk Stand
	Optional: Others	-		-		-
Add-On Peripheral	MSR	Y		Y		Y
	Barcode Scanner	Y		Y		Y
	RFID	Y		Y		Y
	iButton	Y		Y		Y
	Addimat	Y		Y		Y
	Fingerprint Reader	Y		Y		Y
	VESA75 plate	Y		Y		N
	External USB-HUB	Y		Y		N
	COM RJ-DB9 cable	Y		Y		Y
	Video cable	N		N		Y
	Wireless	Wi-Fi & BT USB dongle		Wi-Fi & BT USB dongle		Wi-Fi & BT USB dongle
	Coloured clips	Y		Y		Y
	IC Card Reader	N		N		N

ASC

Product Selection Guide







Model Name		SANGO	JAZZ	JAZZ
		ASC-515IC	ASC-315JC	ASC-315IC
System	Platform	X86	X86	X86
	Processor	Intel® Core™ i3-1115G4E Intel® Core™ i5-1145G7E Tiger Lake	Intel® J6412 Elkhart Lake	Intel® Core™ i3-1115G4E Tiger Lake
	Operating System	Windows 10 IoT LTSC Windows 11 IoT LTSC Linux	Windows 10 IoT LTSC Windows 11 IoT LTSC Linux	Windows 10 IoT LTSC Windows 11 IoT LTSC Linux
Memory	Technology	DDR4-3200	DDR4-3200	DDR4-3200
	Max. Capacity	32GB	32GB	32GB
	Socket	1 x 260-pin SO-DIMM	1 x 260-pin SO-DIMM	1 x 260-pin SO-DIMM
Storage		256GB standard 2 x M.2 2280 SSD	256GB standard 2 x M.2 2280 SSD	256GB standard 2 x M.2 2280 SSD
Display	Size	15" TFT LCD (1024 x 768)	15" TFT LCD (1024 x 768)	15" TFT LCD (1024 x 768)
	Touchscreen	P-CAP	P-CAP	P-CAP
	Brightness	350 cd/m^2	400 cd/m^2	400 cd/m^2
External I/O	COM	4 x COM RJ50	2 x COM RJ50	2 x COM RJ50
	USB	6 x USB3.0 1 x USB-C	6 x USB3.0 1 x USB-C	6 x USB3.0 1 x USB-C
	Output	1 x miniDP (proprietary)		
	Ethernet	1 x RJ45	1 x RJ45	1 x RJ45
	Cash Drawer	1 x RJ12	1 x via usb adapter (optional)	1 x via usb adapter (optional)
	Audio	1 x line-out (option)		
	Speaker	1 x 3W speaker	1 x 2W speaker	1 x 2W speaker
Connectivity				
IP Rating		IP54 (Front Panel)	IP54 (Front Panel)	IP54 (Front Panel)
Dimension (W x H x D)		401.9 x 297.9 x 221.9 mm	340 x 198.74 x 382.58 mm	340 x 198.74 x 382.58 mm
Module	Default			
	Optional: Secondary Display	2 x 20 lines VFD display (Rear-Mounted) 10,1""LCD 800 x 600 (Rear-Mounted)	2 x 20 lines LCM display (Rear-Mounted) 10,1""LCD 1280 x 800 (Rear-Mounted)	2 x 20 lines LCM display (Rear-Mounted) 10,1""LCD 1280 x 800 (Rear-Mounted)
	Optional: Embedded Module			
	Optional: Stand	Single-Hinge Desk Stand	Dual-Hinge Desk Stand	Dual-Hinge Desk Stand
	Optional: Others	-	-	-
Add-On Peripheral	MSR	Y	Y	Y
	Barcode Scanner	Y	N	N
	RFID	Y	N	N
	iButton	Y	Y	Y
	Addimat	Y	N	N
	Fingerprint Reader	Y	N	N
	VESA75 plate	N	Y	Y
	External USB-HUB	N	Y	Y
	COM RJ-DB9 cable	Y	Y	Y
	Video cable	Y	N	N
	Wireless	Wi-Fi & BT USB dongle	Wi-Fi & BT USB dongle	Wi-Fi & BT USB dongle
	Coloured clips	Y	N	N
	IC Card Reader	N	N	N

UTK

Product Selection Guide






	Model Name	UTK-3124RC	UTK-3127RC	UTK-3132RC	UTK-3124K
Processor System	CPU	Rockchip RK3576	Rockchip RK3576	Rockchip RK3576	Intel® Core™ i3-N305 Intel® N97
	Memory	Supports up to 4GB of LPDDR4 memory	Supports up to 4GB of LPDDR4 memory	Supports up to 4GB of LPDDR4 memory	1 x DDR5 4800MHz up to 16GB
	Storage	64 GB onboard eMMC 5.1	64 GB onboard eMMC 5.1	64 GB onboard eMMC 5.1	1 x M.2 M-key 2280
	TPM	N/A	N/A	N/A	TPM 2.0
	Network	RJ-45 (10/100/1000 Mbps), PoE++ 51W	RJ-45 (10/100/1000 Mbps), PoE++ 51W	RJ-45 (10/100/1000 Mbps), PoE++ 51W	i226: up to 2.5 Gbps
	OS Support	Android 14 GMS / Android 14 NON-GMS / Debian	Android 14 GMS / Android 14 NON-GMS / Debian	Android 14 GMS / Android 14 NON-GMS / Debian	Windows 10 / 11
	Expansion Slot	Micro SD card slot	Micro SD card slot	Micro SD card slot	1 x M.2 E-key 2230 WiFi/BT 1 x M.2 M-key 2280 storage
Display	LCD Size	23.8 inch	27 inch	32 inch	23.8 inch
	Max. Resolution	1920 x 1080 @60Hz	1920 x 1080 @60Hz	1920 x 1080 @60Hz	1920 x 1080 @60Hz
	Brightness (cd/m^2)	250 cd/ m^2	350 cd/ m^2	350 cd/ m^2	250 cd/ m^2
	Touch	P-CAP	P-CAP	P-CAP	P-CAP
IO Port	COM	2 x RS-232/422/485	2 x RS-232/422/485	2 x RS-232/422/485	1 x DB9 RS-232
	USB	1 x USB 3.2 type-A(OTG) 1 x USB 3.2 type-C 6 x USB 2.0	1 x USB 3.2 type-A(OTG) 1 x USB 3.2 type-C 6 x USB 2.0	1 x USB 3.2 type-A(OTG) 1 x USB 3.2 type-C 6 x USB 2.0	4 x USB 3.0 2 x USB2.0 1 x USB-C DP
	Graphic Output	1 x HDMI 2.1 (4K@120Hz)	1 x HDMI 2.1 (4K@120Hz)	1 x HDMI 2.1 (4K@120Hz)	2 x HDMI 2.1
	Audio	1 x Audio-Out + MIC-In, Combo Audio Jack	1 x Audio-Out + MIC-In, Combo Audio Jack	1 x Audio-Out + MIC-In, Combo Audio Jack	1 x Line-out
	Ethernet	Ethernet interface RJ-45 (10/100/1000 Mbps) *1	Ethernet interface RJ-45 (10/100/1000 Mbps) *1	Ethernet interface RJ-45 (10/100/1000 Mbps) *1	RJ45 *2 (LAN1, 2 - i226: up to 2.5 Gbps)
	DC Input	Printer: 100-240V 48W 24V / 2.0A BOX PC and Touch monitor: 100-240V 120W 12V / 10A	Printer: 100-240V 48W 24V / 2.0A BOX PC and Touch monitor: 100-240V 120W 12V / 10A	Printer: 100-240V 48W 24V / 2.0A BOX PC and Touch monitor: 100-240V 120W 12V / 10A	Printer: 100-240V 48W 24V / 2.0A BOX PC and Touch monitor: 100-240V 120W 12V / 10A
Physical Dimensions	Main Unit Dimensions (W x H x D mm) and Net Weight	400 x 300 x 948 mm 22.5 kg	400 x 300 x 1026 mm 28.5 kg	400 x 300 x 1131 mm 36 kg	400 x 300 x 948 mm 22.5 kg
	Floor Stand Dimensions (W x H x D mm) and Net Weight	700 x 500 x 770 mm 37 kg	700 x 500 x 770 mm 37 kg	700 x 500 x 770 mm 37 kg	700 x 500 x 770 mm 37 kg
	Mounting	Floor / Wall / Desktop	Floor / Wall / Desktop	Floor / Wall / Desktop	Floor / Wall / Desktop
Environmental	Operating Temperature	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)
	Relative Humidity	10 ~ 95% @ 40°C (104°F) non-condensing	10 ~ 95% @ 40°C (104°F) non-condensing	10 ~ 95% @ 40°C (104°F) non-condensing	10 ~ 95% @ 40°C (104°F) non-condensing
Components and Peripherals	Indicator	RGB 3 color light	RGB 3 color light	RGB 3 color light	RGB 3 color light
	Camera	8M auto focus camera with microphone module	8M auto focus camera with microphone module	8M auto focus camera with microphone module	8M auto focus camera with microphone module
	Printer	58mm/80mm thermal printer	58mm/80mm thermal printer	58mm/80mm thermal printer	58mm/80mm thermal printer
	Scanner	Embedded 1D/2D scanner module	Embedded 1D/2D scanner module	Embedded 1D/2D scanner module	Embedded 1D/2D scanner module
	RFID/NFC Reader	13.56MHz non-contact radio frequency	13.56MHz non-contact radio frequency	13.56MHz non-contact radio frequency	13.56MHz non-contact radio frequency

UTK

Product Selection Guide







	Model Name	UTK-3127K	UTK-3132K	UTK-7121K
Processor System	CPU	Intel® Core™ i3-N305 Intel® N97	Intel® Core™ i3-N305 Intel® N97	Intel® Core™ i3-N305 Intel® N97
	Memory	1 x DDR5 4800MHz up to 16GB	1 x DDR5 4800MHz up to 16GB	1 x DDR5 4800MHz up to 16GB
	Storage	1 x M.2 M-Key 2280	1 x M.2 M-Key 2280	1 x 2.5 internal SATA storage 1 x M.2 2242/2280 SSD
	TPM	TPM 2.0	TPM 2.0	TPM 2.0
	Network	i226: up to 2.5 Gbps	i226: up to 2.5 Gbps	i226: up to 2.5 Gbps
	OS Support	Windows 10 / 11	Windows 10 / 11	Windows 10 / 11
	Expansion Slot	1 x M.2 E-Key 2230 Wi-Fi/BT 1 x M.2 M-Key 2280 storage	1 x M.2 E-Key 2230 Wi-Fi/BT 1 x M.2 M-Key 2280 storage	1 x M.2 E-Key 2230 Wi-Fi/BT 1 x M.2 M-Key 2280 storage
Display	LCD Size	27 inch	32 inch	21.5 inch
	Max. Resolution	1920 x 1080 @60Hz	1920 x 1080 @60Hz	1920 x 1080
	Brightness (cd/m^2)	350 cd/ m^2	350 cd/ m^2	250 cd/ m^2
	Touch	P-CAP	P-CAP	P-CAP
IO Port	COM	1 x DB9 RS-232	1 x DB9 RS-232	2 x RS-232
	USB	4 x USB 3.0 2 x USB2.0 1 x USB-C DP	4 x USB 3.0 2 x USB2.0 1 x USB-C DP	2 x USB 3.2 Type-A 2 x USB 2.0 1 x USB 3.2 Type-C 1 x USB Type-C (DC-in)
	Graphic Output	2 x HDMI 2.1	2 x HDMI 2.1	2 x HDMI 1.4
	Audio	1 x Line-out	1 x Line-out	1 x Line-out
	Ethernet	2 x RJ-45 (LAN1, 2 - i226: up to 2.5 Gbps)	2 x RJ-45 (LAN1, 2 - i226: up to 2.5 Gbps)	2 x RJ-45 (LAN1, 2 - i226: up to 2.5 Gbps)
	DC Input	Printer: 100-240V 48W 24V / 2.0A BOX PC and Touch monitor: 100-240V 120W 12V / 10A	Printer: 100-240V 48W 24V / 2.0A BOX PC and Touch monitor: 100-240V 120W 12V / 10A	Printer: 100-240V 48W 24V / 2.0A AIO computer: 100-240V 90W 20V / 4.5A
Physical Dimensions	Main Unit Dimensions (W x H x D mm) and Net Weight	400 x 300 x 1026 mm 28.5 kg	400 x 300 x 1131 mm 36 kg	Desktop: 340 x 340 x 593 mm / 22 kg Freestanding: 340 x 340 x 1328 mm / 28 kg
	Floor Stand Dimensions (W x H x D mm) and Net Weight	700 x 500 x 770 mm 37 kg	700 x 500 x 770 mm 37 kg	
	Mounting	Floor / Wall / Desktop	Floor / Wall / Desktop	Floor / Desktop
Environmental	Operating Temperature	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)
	Relative Humidity	10 ~ 95% @ 40°C (104°F) non-condensing	10 ~ 95% @ 40°C (104°F) non-condensing	10 ~ 95% @ 40°C (104°F) non-condensing
Components and Peripherals	Indicator	RGB 3 color light	RGB 3 color light	LED USB light bar
	Camera	8M auto focus camera with microphone module	8M auto focus camera with microphone module	5M Camera
	Printer	58mm/80mm thermal printer	58mm/80mm thermal printer	58mm/80mm thermal printer
	Scanner	Embedded 1D/2D scanner module	Embedded 1D/2D scanner module	N4680 Series Compact Decoded 2D Scan Engine
	RFID/NFC Reader	13.56MHz non-contact radio frequency	13.56MHz non-contact radio frequency	13.56MHz non-contact radio frequency

UTK

Product Selection Guide






	Model Name	KOMET	KOMET	KRYSTAL	KRYSTAL
		UTK-8227F	UTK-8227RA	UTK-8315F	UTK-8316F
Processor System	CPU	Intel® Celeron® 3965U / N97 Intel® Core™ i3-7100U / i3-N305 Intel® Core™ i5-7300U	Rockchip RK3399	Intel® Celeron® 3965U / N97 Intel® Core™ i3-7100U / i3-N305 Intel® Core™ i5-7300U	Intel® Celeron® 3965U / N97 Intel® Core™ i3-7100U / i3-N305 Intel® Core™ i5-7300U
	Memory	8GB DDR4 (up to 32 GB)	4GB DDR4	8GB DDR4 (up to 32 GB)	8GB DDR4 (up to 32 GB)
	Storage	2 x M.2 SSD	32 GB onboard eMMC	2 x M.2 SSD	2 x M.2 SSD
	TPM	TPM 2.0	N/A	TPM 2.0	TPM 2.0
	Network	RJ-45 (10/100/1000 Mbps)	RJ-45 (10/100/1000 Mbps) Wifi/BT	RJ-45 (10/100/1000 Mbps)	RJ-45 (10/100/1000 Mbps)
	OS Support	Windows 10 / Linux / Android 9.0	Android 9.0	Windows 10 / Linux	Windows 10 / Linux
	Expansion Slot	1 x Mini PCI (WiFi/BT)	N/A	1 x Mini PCI (WiFi/BT)	1 x Mini PCI (WiFi/BT)
Display	LCD Size	27 inch	27 inch	15.1 inch	15.6 inch
	Max. Resolution	1920 x 1080	1920 x 1080	1024 x 768	1920 x 1080
	Brightness (cd/m2)	270 cd/m2	270 cd/m2	400 cd/m2	450 cd/m2
	Touch	P-CAP	P-CAP	P-CAP	P-CAP
IO Port	COM	4 x RS-232	N/A	4 x RS-232	4 x RS-232
	USB	4 x USB 2.0 2 x USB 3.0	4 x USB 2.0 1 x USB 3.0	4 x USB 2.0 2 x USB 3.0	4 x USB 2.0 2 x USB 3.0
	Graphic Output	1 x Mini DisplayPort	1 x HDMI 2.0 (4K@60Hz)	1 x Mini DisplayPort	1 x Mini DisplayPort
	Audio	1 x Audio-Out	1 x Line-out 1 x Line-In	1 x Audio-Out	1 x Audio-Out
	Ethernet	Ethernet interface RJ-45 (10/100/1000 Mbps) *1	Ethernet interface RJ-45 (10/100/1000 Mbps) *1	Ethernet interface RJ-45 (10/100/1000 Mbps) *1	Ethernet interface RJ-45 (10/100/1000 Mbps) *1
	DC Input	100-240V 90W 19V / 5A	100-240V 60W 12V / 2A	100-240V 90W 19V / 5A	100-240V 90W 19V / 5A
Physical Dimensions	Main Unit Dimensions (W x H x D mm) and Net Weight	393 x 186 x 1058 mm 48 kg	393 x 186 x 1058 mm 48 kg	220 x 460 x 600 mm 19 kg	220 x 500 x 600 mm 19 kg
	Floor Stand Dimensions (W x H x D mm) and Net Weight	493 x 212 x 1771 mm 68 kg	493 x 212 x 1771 mm 68 kg	220 x 460 x 1305 mm 51 kg	240 x 500 x 1305 mm 51 kg
	Mounting	Floor / Wall /	Floor / Wall /	Floor / Wall / Desktop	Floor / Wall / Desktop
Environmental	Operating Temperature	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)
	Relative Humidity	10 ~ 95% @ 40°C (104°F) non-condensing	10 ~ 95% @ 40°C (104°F) non-condensing	10 ~ 95% @ 40°C (104°F) non-condensing	10 ~ 95% @ 40°C (104°F) non-condensing
Components and Peripherals	Indicator	RGB 3 color light		RGB 3 color light	RGB 3 color light
	Camera	N/A	N/A	N/A	N/A
	Printer	80mm thermal printer (ODP444 or Epson Tm-M30)	80mm thermal printer (ODP444 or Epson Tm-M30)	80mm thermal printer (ODP444 or Epson Tm-M30)	80mm thermal printer (ODP444 or Epson Tm-M30)
	Scanner	Datalogic 1500i	Datalogic 1500i	Datalogic 1500i	Datalogic 1500i
	RFID/NFC Reader	N/A	N/A	N/A	N/A

UTK

Product Selection Guide






	Model Name	KRYSTAL	KRYSTAL	KRYSTAL	KWARTZ
		UTK-8317F	UTK-8321F	UTK-8321RA	UTK-8127F
Processor System	CPU	Intel® Celeron® 3965U / N97 Intel® Core™ i3-7100U / i3-N305 Intel® Core™ i5-7300U	Intel® Celeron® 3965U / N97 Intel® Core™ i3-7100U / i3-N305 Intel® Core™ i5-7300U	Rockchip RK3399	Intel® Celeron® 3965U / N97 Intel® Core™ i3-7100U / i3-N305 Intel® Core™ i5-7300U
	Memory	8GB DDR4 (up to 32 GB)	8GB DDR4 (up to 32 GB)	4GB DDR4	8GB DDR4 (up to 32 GB)
	Storage	2 x M.2 SSD	2 x M.2 SSD	32 GB onboard eMMC	2 x M.2 SSD
	TPM	TPM 2.0	TPM 2.0	N/A	TPM 2.0
	Network	RJ-45 (10/100/1000 Mbps)	RJ-45 (10/100/1000 Mbps)	RJ-45 (10/100/1000 Mbps) Wifi/BT	RJ-45 (10/100/1000 Mbps)
	OS Support	Windows 10 / Linux	Windows 10 / Linux	Android 9.0	Windows 10 / Linux
	Expansion Slot	1 x Mini PCI (WiFi/BT)	1 x Mini PCI (WiFi/BT)	N/A	1 x Mini PCI (WiFi/BT)
Display	LCD Size	17 inch	21.5 inch	21.5 inch	27 inch
	Max. Resolution	1280 x 1024	1920 x 1080	1920 x 1080	1920 x 1080
	Brightness (cd/m2)	212 cd/m2	250 cd/m2	270 cd/m2	270 cd/m2
	Touch	P-CAP	P-CAP	P-CAP	P-CAP
IO Port	COM	4 x RS-232	4 x RS-232	N/A	4 x RS-232
	USB	4 x USB 2.0 2 x USB 3.0	4 x USB 2.0 2 x USB 3.0	4 x USB 2.0 1 x USB 3.0	4 x USB 2.0 2 x USB 3.0
	Graphic Output	1 x Mini DisplayPort	1 x Mini DisplayPort	1 x HDMI 2.0 (4K@60Hz)	1 x Mini DisplayPort
	Audio	1 x Audio-Out	1 x Audio-Out	1 x Line-out 1 x Line-In	1 x Audio-Out
	Ethernet	Ethernet interface RJ-45 (10/100/1000 Mbps) *1	Ethernet interface RJ-45 (10/100/1000 Mbps) *1	Ethernet interface RJ-45 (10/100/1000 Mbps) *1	Ethernet interface RJ-45 (10/100/1000 Mbps) *1
	DC Input	100-240V 90W 19V / 5A	100-240V 90W 19V / 5A	100-240V 60W 12V / 2A	100-240V 90W 19V / 5A
Physical Dimensions	Main Unit Dimensions (W x H x D mm) and Net Weight	230 x 530 x 620 mm 19 kg	260 x 396 x 730 mm 19 kg	260 x 396 x 730 mm 19 kg	385 x 152 x 1087 mm 29 kg
	Floor Stand Dimensions (W x H x D mm) and Net Weight	240 x 530 x 1325 mm 51 kg	260 x 396 x 1435 mm 51 kg	260 x 396 x 1435 mm 51 kg	458 x 214 x 1867 mm 38 kg
	Mounting	Floor / Wall / Desktop	Floor / Wall / Desktop	Floor / Wall / Desktop	Floor / Wall
Environmental	Operating Temperature	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)
	Relative Humidity	10 ~ 95% @ 40°C (104°F) non-condensing	10 ~ 95% @ 40°C (104°F) non-condensing	10 ~ 95% @ 40°C (104°F) non-condensing	10 ~ 95% @ 40°C (104°F) non-condensing
Components and Peripherals	Indicator		RGB 3 color light		RGB 3 color light
	Camera	N/A	N/A	N/A	N/A
	Printer	80mm thermal printer (ODP444 or Epson Tm-M30)	80mm thermal printer (ODP444 or Epson Tm-M30)	80mm thermal printer (ODP444 or Epson Tm-M30)	80mm thermal printer (ODP444 or Epson Tm-M30)
	Scanner	Datalogic 1500i	Datalogic 1500i	Datalogic 1500i	Honeywell RF521
	RFID/NFC Reader	N/A	N/A	N/A	N/A

USC-M

Product Selection Guide







Model Name		USC-M10	USC-M3		UPOS-M15		USC-M15W	USC-M20
Display	Size	10.1“ TFT LCD (16:9)	11.6” TFT LCD (16:9)		15” TFT LCD (4:3)		15.6” TFT LCD (16:9)	21.5” TFT LCD (16:9)
	Resolution	1280 x 800	1366 x 768		1024 x 768		1920 x 1080	1920 x 1080
	Brightness	350 cd/m²	250 cd/m²		300 cd/m²		220 cd/m²	250 cd/m² or 500 cd/m² (optional)
	Touchscreen	PCAP Touch Panel with Flat Glass (Non-Touch Optional)	PCAP Touch Panel with Flat Glass (Non-Touch Optional)		PCAP Touch Panel with Flat Glass (Non-Touch Optional)		PCAP Touch Panel with Flat Glass (Non-Touch Optional)	PCAP Touch Panel with Flat Glass (Non-Touch Optional)
External I/O	Video Input	1 x HDMI, 1 x USB-C	1 x USB-C, 1 x HDMI	1 x VGA (D-Sub 15) / HDMI	1 x USB-C, 1 x HDMI	1 x VGA (D-sub 15) / HDMI	1 x HDMI, 1x USB-C	1 x VGA (D-sub 15) / HDMI
	Audio Input	-	-	-	-	3.5 mm Jack	-	3.5 mm Jack
	USB	1 x USB-C (same one for DP)	1 x USB-C (same one for DP) 1 x USB-A (output)	1 x USB 2.0 for touch panel	1 x USB-C (same one for DP) 1 x USB-A (output)	1 x USB 2.0 for touch panel	1 x USB-C (same one for DP) 1 x USB-A (output)	1 x USB 2.0 for touch panel
	DC-In	1 x Power Jack (12V)	1 x Power Jack (12V)		1 x Power Jack (12V)		1 x Power Jack(12V)	1 x Power Jack(12V)
Control Button	Power	-	Power on/off		Power on/off		-	Power on/off
	Menu	-	OSD menu		OSD menu		-	OSD menu
	Up	-	Navigate up		Navigate up		-	Navigate up
	Down	-	Navigate down		Navigate down		-	Navigate down
Miscellaneous	Speaker	-	2 x 2W		2 x 2W		2 x 2W	2 x 3W (Optional)
	Mount Options	VESA (75 x 75 mm)	VESA (75 x 75 mm)		VESA (75 x 75 mm)		VESA (75 x 75 mm)	VESA (100 x 100 mm)
	Hatch	-	Right/Left/Top		Right/Left/Top		Right/Left	-
	Adapter	12V 36W or N/A	12V 36W or N/A	12V 36W	12V 36W or N/A	12V 36W	12V 36W or N/A	AC-DC, AC100~240V 50/60hz, DC12V 3.3A, 5.5*2.5*10mm
Embedded Optional Module		RFID	RFID, Camera		-		-	-
Add-On Peripheral (Attachment)		-	MSR, iButton		MSR		MSR, Barcode Scanner, RFID	-
Mechanical & Environment	Case Color	Space Grey/Sliver/ Black	Black/White		Black/White		Black/White	Black
	Material	Plastic	Plastic		Pastic		Plastic	Metal Structure & Aluminum Bezel
	Opertaion Temperature	0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)		0 ~ 40°C (32 ~ 104°F)		0 ~ 40°C (32 ~ 104°F)	0 ~ 40°C (32 ~ 104°F)
	Humidity	10-95% @40°C (104°F) Non-Condensing	10-95% @40°C (104°F) Non-Condensing		10-95% @40°C (104°F) Non-Condensing		10-95% @40°C (104°F) Non-Condensing	10-95% @40°C (104°F) Non-Condensing
	EMI & Safety	FCC, CE, CCC, BSMI, VCCI, CB, UL	FCC, CE, CCC, BSMI, VCCI, CB, UL		FCC, CE, CCC, BSMI, CB, UL		FCC, CE, CCC, BSMI, CB, UL	FCC, CE, CCC, CB

URP

Product Selection Guide





Model Name		URP-CD335	URP-CD410
Type		Cash Drawer	Cash Drawer
Lock		3-Position Key Lock (Two Keys)	3-Position Key Lock (Two Keys)
Tray	Bill	Metal Bill Clips Adjustable Dividers for Up to 4 Compartments (Includes Metal Clips)	Metal Bill Clips Adjustable Dividers for Up to 5 Compartments (Includes Metal Clips)
	Coin	5 Compartments (3 Adjustable and Removable, 2 Fixed)	Double-Row Compartment with 4 Adjustable Trays and 4 Fixed Trays
I/O Interface	Ethernet	12 V for RJ11/RJ12 Receipt Printer Interface	12 V for RJ11/RJ12 Receipt Printer Interface
Material	Casing	Steel Construction	Steel Construction
	Front Panel	Painted/Stainless Steel Front (Optional)	Painted/Stainless Steel Front (Optional)
Dimension (L x W x H)		380 x 335 x 80 mm	415 x 410 x 100 mm
Weight		3.5 kg	7.2 kg
Color		Black	Black





Model Name		URP-PT802-B400 (TP3250L)	URP-PT803-B400 (TP3260)
Type		Thermal Printer	Thermal Printer
Thermal Printer	Printing Speed	250 mm/s	Max.260 mm/s
	Resolution	203 dpi (8 dots/mm)	203 dpi (8 dots/mm)
	Paper Width	80mm	80mm/58mm(optional)
	Paper Cut	Manul Tear/Auto-Cutter	Manul Tear/Auto-Cutter
I/O Interface	USB	1 x USB Type-B	1 x USB Type-B
	Serial	1 x RS-232	1 x RS-232
	Ethernet	1 x RJ-45	1 x RJ-45
	Cash Drawer	1 x RJ11	1 x RJ11
Power Supply	Input Voltage	AC 100V-240V, 50-60HZ	AC 100V-240V, 50-60HZ
Environment	Operating Temperature	0 ~ 40°C	0 ~ 40°C
Software	Emulation	ESC/POS	ESC/POS
	Driver	Windows XP Vista Win7/Win8/Win10 POSReady Linux CUPS OPOS JavaPOS	Windows XP Vista Win7/Win8/Win10 POSReady Linux CUPS OPOS JavaPOS
Dimension (L x W x H)		190 x 147 x 147 mm	132 x 132 x 134.8 mm
Weight		1.8 kg	1.4 kg

URP

Product Selection Guide



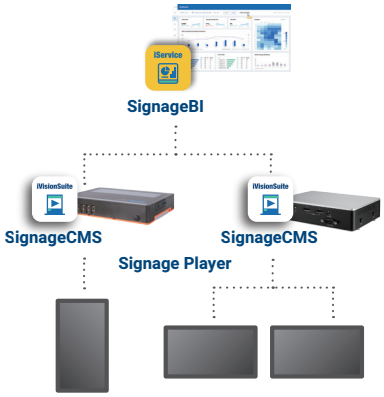
Model Name		URP-BH100-B000
Type		Hand-Held Scanner
Image Sensor		1280 x 800 (megapixel) CMOS
Symbologies	1D symbologies	EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128, Code93, ITF-6, ITF-1, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, GSI Databar, Code 39, Code 11, MSI-Plessey, Plessey, UCC/EAN Composite, GS1 Databar, Code 49, Code 16K, etc.
	2D symbologies	PDF417, QR Code, Data Matrix, Aztec, Maxicode, etc.
	Postal Codes	USPS Postnet, Royal Mail, KIX Post, Australian Postal, etc.
I/O Interface	USB	1 x USB 2.0
Environment	Operating Temperature	-20 ~ 60°C
Dimension (W x D x H)		13.5 x 73.3 x 159.0 mm
Weight		0.162 kg





Model Name		URP-KP660-B100 (KB66NS/U)	URP-KP840-B100 (KB84NS/U)
Type		Programmable Keyboard	Programmable Keyboard
Keyboard	Key	66 keys Membrane	84 keys Membrane
	Key Pressure	55±10g	55+15g
Environment	Operating Temperature	0 ± 45°C	0 ± 45°C
	Operating Humidity	10 ~ 90%	10 ~ 90%
Peripheral	MSR	Optional	Optional
	Others	Single Keycap (1*1), 78 pcs Single blind spot keycap (1*1), 1 pcs 2 fold Keycap (with transparent keycap) (1*2), 5 pcs 4 fold keycap (with transparent keycap) (2*2), 1 pcs Cable, 1 pcs Key Holder, 1 pcs E-lock keys, 4 pcs	Single blind spot keycap (1*1), 1 pcs 2 fold Keycap (with transparent keycap) (1*2), 5 pcs 4 fold keycap (with transparent keycap) (2*2), 1 pcs Cable, 1 pcs Key Holder, 1 pcs E-lock keys ,4 pcs
Material		ABS	ABS
Dimension (L x W x H)		290 x 173.5 x 45 mm	250 x 210 x 55 mm

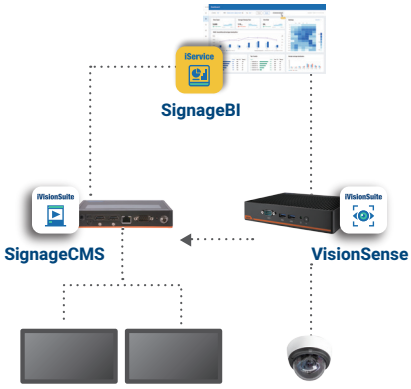
SignageCMS Package



Signage Players	
Triple Display **UBX-110**	Quad Display **DS-082**
	
· Celeron 6305E | 8G RAM | 128G Storage | Windows 10 · 2 x HDMI port + 1 x USB Type-C	· AMD V1605B | 8G RAM | 128GB SSD | Windows 10 · 4 x HDMI

Signage Server (Self-hosted)	
UBX-110	
	
· Intel Core i5 11th Gen · 32GB RAM · 1TB Storage	· Windows 10 · Pre-installed SignageCMS Server Pro · Can manage up to 1000 signage players

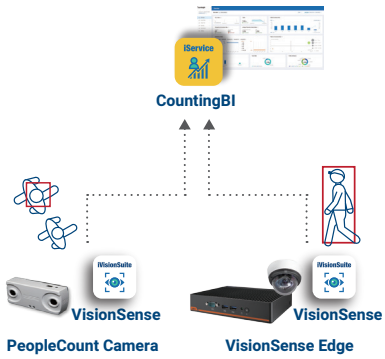
SignageCMS with SignageBI Package



SignageCMS + SignageBI Servers*	
Triple Display **UBX-110**	Quad Display **DS-086**
	
· Intel i5 11th Gen. | 16GB RAM | 512 GB Storage | Windows 10 · 2 x HDMI + 1 x USB Type-C · Built-in VisionSense – Face Analysis · Can Support 1-Camera Channel and 1 Analysis	· Intel® Core™ Ultra 5, 125H | 16GB RAM | 256 GB SSD | Windows 10 · 4 x HDMI · 10 Tops NPU inside, Intel AI Frameworks support · Built-in VisionSense – Face, People, and Object Analysis · Can support up to 1-Camera Channel and 3 Analysis

VisionSense Edge		SignageCMS + SignageBI Server
4 channel Analysis **UBX-110 i5**	6 channel Analysis **UBX-110 i7**	**UBX-510**
		
· Intel Core i5 11th Gen. | 16GB RAM | 512 GB Storage | Ubuntu OS · Pre-Activated VisionSense Analysis – Face, People, and Object Detection Analysis · Can support up to 4-Camera Channel and 4 Analysis	· Intel Core i7 11th Gen. | 16GB RAM | 512 GB Storage | Ubuntu OS · Pre-Activated VisionSense Analysis – Face, People, and Object Detection Analysis · Can support up to 6-Camera Channel and 6 Analysis	· Intel Core i5 13th Gen · 32GB RAM and 1TB Storage · Windows 11 · Pre-installed WISE-iService Platform (including SignageCMS, SignageBI and CountingBI) · Can manage up to 1000 edge devices

VisionSense- People Counting Package



Counting Camera/ Edge Computing

Counting Camera **UCAM-130**	VisionSense Edge **UBX-110**
	
• Intelligent all-in-one device for data capture, analysis and delivery • High counting accuracy rate up to 99% • Low requirement on lighting, applicable for both indoor and outdoor use • Excluding/including children • Filtering objects including shopping carts, balloon, and shadow, etc.	• Intel Core i5 11th Gen. | 16GB RAM | 512 GB Storage | Ubuntu OS • Pre-Activated VisionSense Analysis – Face, People, and Object Detection Analysis • Can support up to 4-Camera Channel and 4 Analysis

CountingBI Server

UBX-510



- Intel Core i5 13th Gen
- 32GB RAM and 1TB Storage
- Windows 11
- Pre-installed iService Platform (including SignageCMS, SignageBI and CountingBI)

FaceMatch Package



FR Tablet/ FaceMatch Edge

FR Tablet	FaceMatch Edge (UBX-110)
	
• Included AI Facial Recognition Engine • Built-in Card Reader for dual accreditation • Max. Face Enrolled : 50K • Supports Mask Detection • Multi-factor Authentication • Recognizes face from 1.5m distance within 0.5s	• Intel Core i7 11th Gen. | 16GB RAM | 512 GB Storage | Ubuntu OS • Include 1 Channel License for facial recognition • Supports up to 6 Channels • Max. Faces Enrolled : 100K

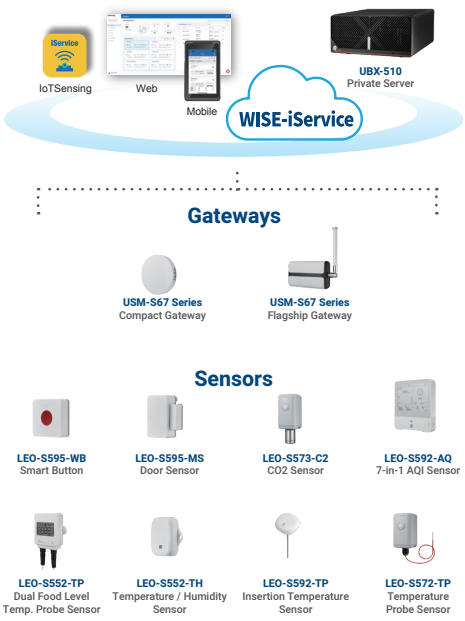
FaceMatch Manager

UBX-110



- Intel Core i7 11th Gen. | 16GB RAM | 512 GB Storage | Ubuntu OS
- Centrally hosted face database
- Synchronize face data with underlying connected face recognition devices (Edge & Tablet)
- Acts as a server to receive face recognition events from all devices
- Sync and manage multiple devices, including FaceMatch Edge & FaceMatch Tablet (AI based tablet)

IoT Sensing & Cold Chain Solutions



Server	Gateway	
UBX-510	**USM-S67 Series** Compact Gateway	**USM-S67 Series** Wi-Fi Gateway
		
• Intel Core i5 13th Gen • 32GB RAM and 1TB Storage • Windows 11 • Pre-installed WISE-iService Platform (including SignageCMS, Signage BI and Counting BI)	• Support 8 half/full-duplex channels • Enable security communication with multiple VPNs(IPsec/ OpenVPN/L2TP/PPTP/ DMVPN) • Built-in network server and MQTT/HTTP/HTTPS API for easily integration	• 8 half/full-duplex channels • Desktop, wall or pole mounting • Enable security communication with multiple VPNs like IPsec/ OpenVPN/ L2TP/PPTP/ DMVPN • Detect and analyze the noise level and provide intuitive diagram for deployment • Built-in network server and MQTT/HTTP/HTTPS API for easily integration

Sensors			
LEO-S595-WB Smart Button	**LEO-S595-MS** Magnetic Switch	**LEO-S573-C2** CO2 Sensor	**LEO-S592-AQ** 7-in-1 AQI Sensor
			
• Support multiple press actions to control devices, trigger a scene or send emergency alarms • Supports single-press, double-press, and long-press functions. Custom commands can be assigned to each button	• Suitable for various doors/windows of different materials • 5 years battery life • Support mounting tamper detection • LED for network status, open/close status, tamper and low battery indication	• Integrated with multiple CO2, temperature (-30 ~ 70°C), and humidity sensors • IP65, 5 years battery life	• Integrated with multiple sensors: humidity, temperature, CO2, Brightness, PM2.5, PM10, HCHO • Real-time upload of abnormal data, equipped with a buzzer • A 4.2-inch e-paper screen can display multiple statuses to remind users to ventilate and replace fresh air immediately

Sensors			
LEO-S552-TP LCD Dual Temp Probe Sensor	**LEO-S552-TH** Temperature / Humidity Sensor	**LEO-S592-TP** Insertion Temperature Sensor	**LEO-S572-TP** Temperature Probe Sensor
			
• Food grade PT100 temperature probes sensor • IP65, wide temperature (-40 ~ 125°C) suitable for harsh environments • Support automated temperature monitoring and anti-tamper recording of data in compliance with HACCP, meeting the authenticity requirements of 21 CFR Part 11B electronic record	• LoRaWAN technology for efficient long-range wireless data transmissions • IP67, UV-resistant and 5 years battery life	• Food-grade stainless-steel probe and shell material for efficient and safe detection • IP67 and IK10 rated for harsh environments • 1 year battery life	• 3 wire connection for high precision • IP67, wide temperature (-200 ~ 50°C) suitable for harsh environments • 5 years battery life

Memo

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