

Intelligent City Services

Leading Edge Computing and
Business Intelligence Solutions

- Interactive Digital Signage Solutions
- Intelligent Quality Management Solutions
- People-Counting Solutions
- All-in-One Touch Computers
- Intelligent POS Systems
- Self-Service Kiosks
- Industrial-Grade Tablets
- Box PCs / AI Edge Computers



ADVANTECH

Enabling an Intelligent Planet

intel
partner
Titanium
IoT
Solutions

DeviceOn/iService www.advantech.com

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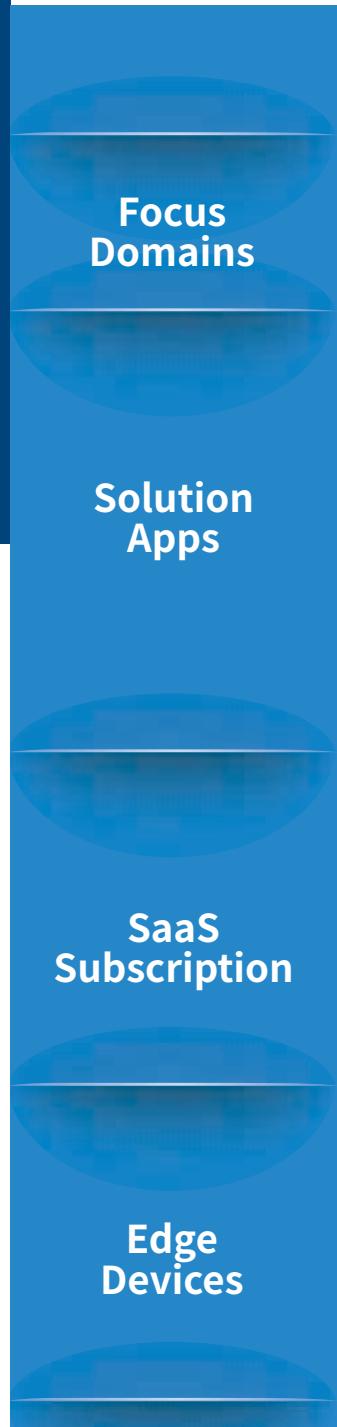
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iCity Services Overview

Enabling the Digital Transformation of Field Service & Operation Management



WISE-iService Solutions Overview



Retail & Hospitality

SignageCMS

- Interactive Content
- Dispatch Scheduling
- IoT Data Integration

SignageBI

- Content Display Analysis
- Audience Statistics
- Data Visualization



Interactive Digital Signage

ADVANTECH
WISE-Marketplace





Interactive Digital Signage Solutions



iDS.SignageCMS is designed to optimize content distribution by providing a cost-effective solution for media broadcasting management. It enables users to schedule content remotely—from any place, any time—then dispatch it to multiple client devices simultaneously.



iDS.SignageCMS

Easy editing. Fast broadcasting with a single click.



Key Benefits



Value-add to existing screens



Real-time ads attract business opportunities



Effectively improve operations



Easy-to-manage content in a mobile app

Key Features

Integration with any screen

iDS.SignageCMS works on any screen, whether it is TVs, AIO or kiosks.

Intuitive drag-and-drop interface

You do not need training or a user guide; the intuitive interface makes it easy to edit and manage content.

Multiple media and widget support

It supports more than 30 media formats and multiple widgets including clocks, tickers, YouTube, etc.

Customized advertisements

iDS.SignageCMS can integrate with AI facial recognition and RFID to display customized advertisements.



Intelligent Quality Management Solutions



iQM.Inspection is a user-friendly software solution for conducting quality control inspections and operations auditing. It is a management app which can create checklists, make alert notifications, check and record operation status, and collect regular data for management optimization.



iQM.Inspection

Streamline quality inspections with digital auditing.



Key Benefits



Reduce paper consumption



Efficient auditing processes



Discover Potential risks



Enhanced service quality

Key Features

Create your own checklists

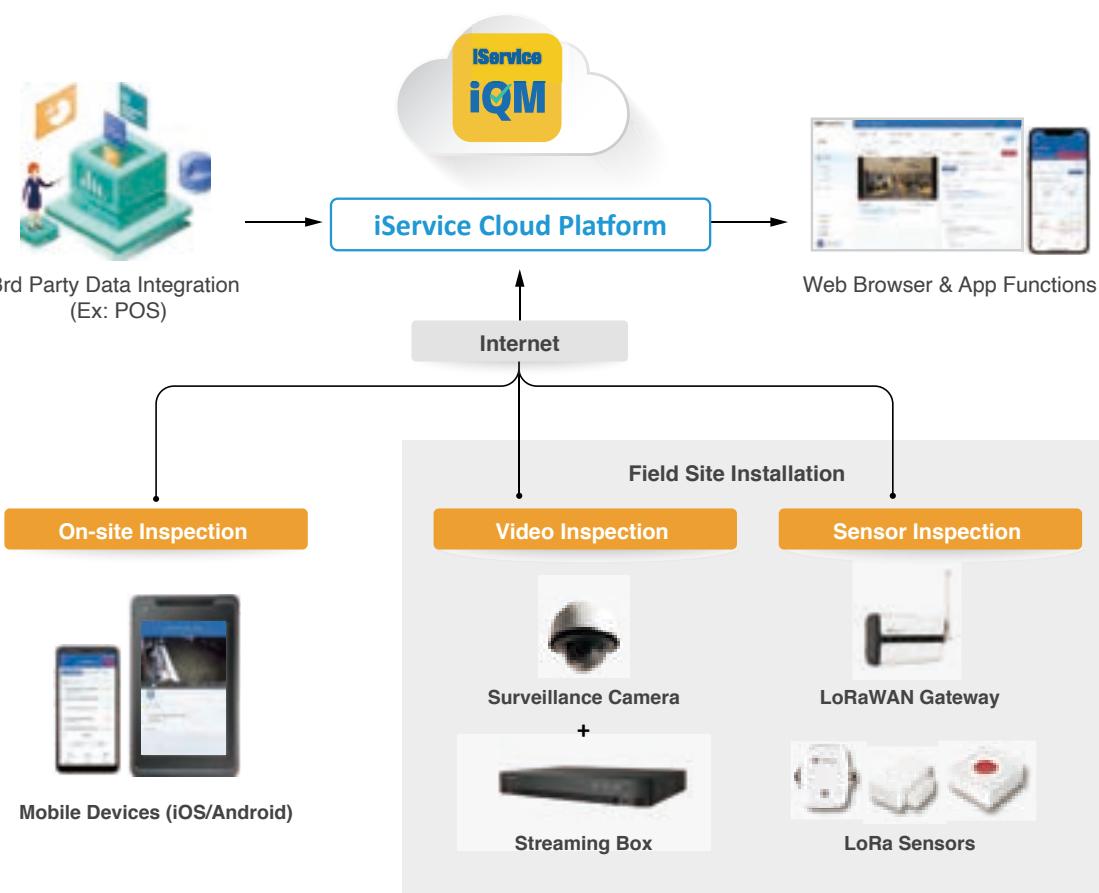
Create customized checklists for your business needs.

On-site and remote inspection

Supports both on-site and remote inspection, connected for surveillance.

Generate inspection reports

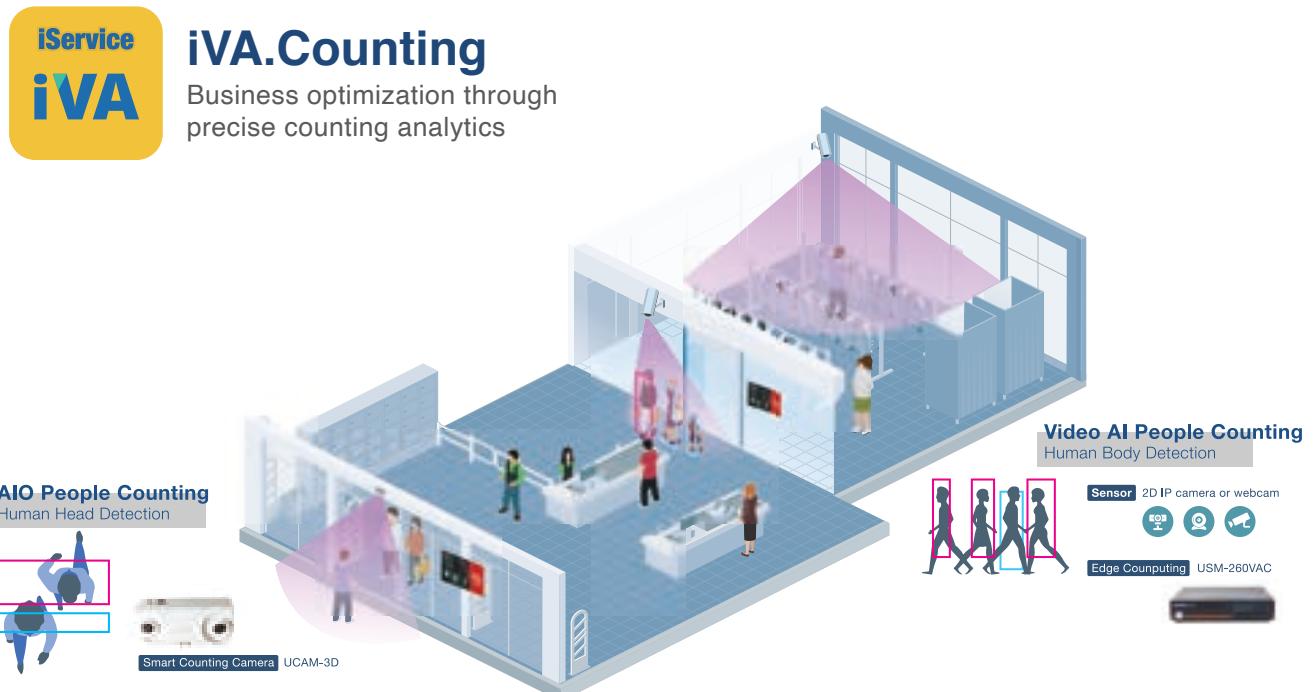
It is easy to generate and share inspection reports for management analysis and optimization.



People-Counting Solutions



iVA.Counting: Precisely count people entering and leaving a pre-defined area. Occupancy counting and pedestrian traffic monitoring are important for detecting congestion points, optimizing for visitor access, and measuring footfall traffic.



Key Benefits



Gain accurate counting analysis



Diverse counting scenarios



Enhance operational efficiency



Management insight from data

Key Features

Enable legacy cameras to become smart cameras

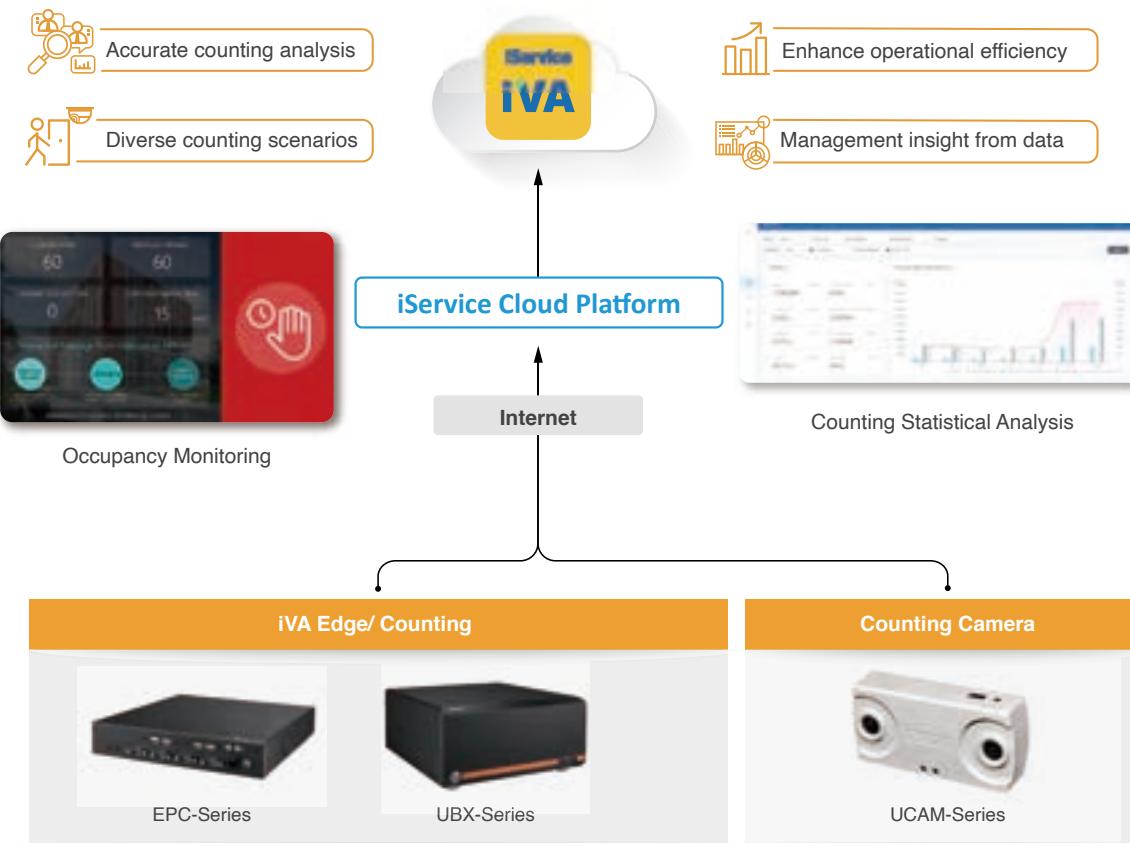
It can transform existing IP cameras into intelligent devices.

Smart cameras provide more accurate data

The smart 3D camera analyzes entrance flow and filters out strollers and other objects to provide accurate occupancy monitoring.

Visualize visitor data

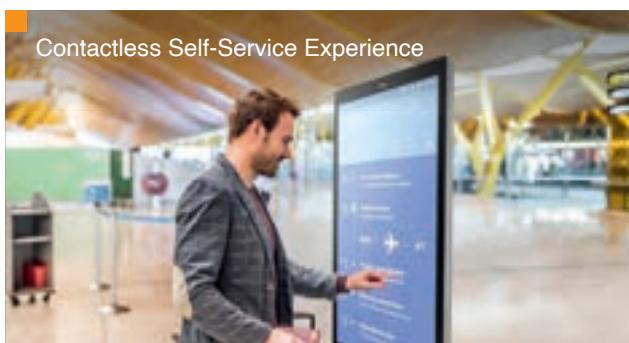
Passer-by/visitor analysis can be performed all at once and displayed clearly. Operators can use the data for management optimization.



All-in-One Touch Computers



Application Scenarios



Contactless Self-Service Experience



Digitalized Services and Operations



Retail Extension and Endless Aisle Kiosks



Interactive Digital Signage and Dashboarding



Service Machine Touchscreen Interfaces



Communication Dashboards and Signage

Purpose-Built Industrial Design and Computing Cores

Each UTC computer series comes with a differentiated design and features that meet diverse user scenarios and requirements. Powered by Intel® ultra-low-voltage mobile processors, UTC series computers offer a wide range of performance options to support mission-critical tasks.



Unified System Form Factor for Simplified IT Management

The unified form factor ensures system continuity as the product evolves, providing organizations with a consistent experience across UTC devices. That will help organizations reduce the costs of IT staff training, deployment, migration, and upgrades.



Easy Integration and Device Management

Paired with Advantech DeviceOn/iService remote device management technology, organizations can manage their UTC device fleet efficiently throughout the product lifecycle. With access to a range of industrial SDK resources, developers can integrate the UTC systems into an existing ecosystem and create meaningful interactive experiences with ease.



Fanless Cooling System for Hassle-Free Maintenance

The system's fanless design eliminates noise during operation and reduces the accumulation of dust and foreign contaminants, extending the product lifecycle.



Varied Touchscreen Technology for Intuitive Operation

The industrial-grade, IP65-rated touch panel with glass cover performs reliably in harsh conditions. Customers can choose from either P-CAP or 5-wire resistive touchscreen options depending on their specific needs.



Peripheral Modules for Extended Functions

The UTC system allows customers to install peripherals anywhere in the system, reducing initial costs and adapting to change as businesses grow.



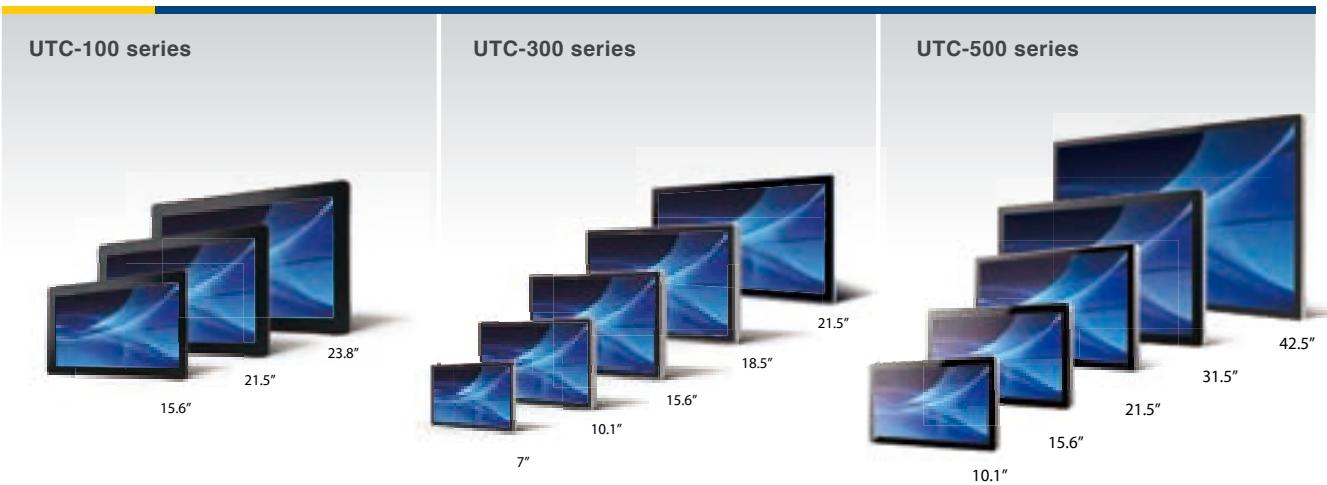


Build Your Own UTC

Select a UTC model and create a unique combination to perfectly fit your needs

The UTC series offers a wide range of products to cover everything you need to run mission-critical applications. The unified-system form factor allows you to add a variety of peripherals and ensure all your hardware works nicely together.

1 Select A UTC Computer



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 | Thermal Camera |
|----------------------------|--|--|--|--|--|---|--|--|
| UTC-510 / 542 Series |  |  |  |  |  |  |  | |
| UTC-515 / 520 / 532 Series |  |  |  |  |  |  |  | |
| UTC-300 Series |  |  |  |  |  | | | |
| UTC-307 / 310 Series | |  | |  |  | | | |
| UTC-100 Series |  |  |  |  |  |  |  |  |

3 Select Installation Accessories

| Wall Mount Kits | | | | | |
|---|--|---|---|--|--|
| Tilt/Swivel Wall Mount Kit (VESA 75/100 mm)  | Fixed Wall Mount Kit (VESA 100/200 mm)  | Fixed Wall Mount Kit (VESA 75/100 mm)  | Fixed Wall Mount Kit (VESA 75 mm)  | | |
| Desktop Stands | | | | | |
| Tiltable Desktop Stand (VESA 75/100 mm)  | Tiltable Desktop Stand (VESA 75 mm)  | Avalo Stand  | Desktop Stand Exclusive for UTC-515/520  | Clean Stand  | |
| Desk Stand  | L-Stand Exclusive for UTC-115  | UTK-7000 Desktop Stand  | Elegant Stand  | Dual Hinge Stand  | |
| Floor Stands | | | | | |
| Triangular Floor Stand (VESA 75/100 mm)  | H-Shape Floor Stand  | UTK-7000 Floor Stand  | Pole Cart  | Powered Pole Cart  | |

UTC-100 Series

15.6" ~ 23.8" Slim, Lightweight,
All-in-One Touch Computers



Slim and Lightweight Design

One of the thinnest, most lightweight AiO PCs for easy installation, integration, and maintenance in public spaces.



Neat Cable Management

Internal cable routing with three channels adds a measure of safety and maintains the basic functionality of systems.



Wide Assortment of Add-On Options

UTC-100 offers a range of peripheral, stand, and mounting options that allow mix-n-match to create a unique combination.



UTC-115 / 120

10.1" All-in-One Touch Computer



Purpose-Built Stands/Mounts



Easy-Access Storage Drive



Supports PoE
(for UTC-115G only)

UTC-124

10.1" All-in-One Touch Computer



UTC-124 G1

UTC-124 G3



Dual facets, two distinct models
for retail / light industrial market



Optimized screen size for
engagement



Native DB-9 RS-232 connector
and optional lockable DC-in

UTC-200 Series

7" ~ 42.5" Open Frame Touch Computer



Open Frame for Flexible Integration

The open-frame design touch computer provides a flexible solution for seamless integration with a vending machine or kiosk enclosure. With six screen-size options, customers can find a perfect fit to build an intuitive touch experience.



One-Piece Design Expedites Solution Time-to-Market

Coupled with the touchscreen display and system unit technologies, UTC-200 offers a complete package that helps customers achieve project success with reduced time, effort, and cost.



Industrial-Grade Ruggedness

Advantech's industrial computing DNA is at the heart of the UTC-200 to maintain proven stability and reliability to meet rigorous industry standards. The scalable, modularized design further enables long-term product lifetime support.



UTC-207/210

7" / 10.1"

Open Frame Touch Computer



Support fixed flush mount



Optional back cover for system protection

UTC-215 / 220 / 232 / 242

15.6" / 21.5" / 31.5" / 42.5"

Open-Frame Touch Computer



Supports flush/clamp mount



High-brightness panel for
outdoor solutions

UTC-300 Series

7" ~ 21.5" Panel-Mounted
All-in-One Touch Computers



Stable and Reliable Power Supply

The system supports 12 ~ 30 VDC wide input power to meet the requirements of your particular application, which is the ideal solution for integration into machine equipment, on shop floors, or wherever you need an intuitive user interface.



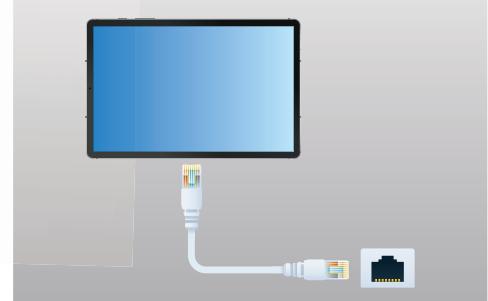
Flexible Installation

With the inclusion of a detachable frame that supports free-standing, panel, wall, and kiosk mount options, UTC-300 computers can be flexibly deployed in a wide range of service environments.



Centralized Power Management

Leveraging advanced Power-over-Ethernet technology, UTC-300 can be placed almost everywhere and repositioned with ease. Organizations can reduce initial installation costs and centralize power management, too.



UTC-307

7" All-in-One Touch Computer



Detachable frame design
for panel mount



Accessible storage slot for
easy service and upgrading



Colored LED light bar
that shows availability

UTC-310

10.1" All-in-One Touch Computer



Detachable frame design
for panel mount



Built-in 2D barcode
reader (optional)



Colored LED light bar
that shows availability

UTC-315 / 318 / 320

15.6" / 18.5" / 21.5"
All-in-One Touch Computer



Detachable frame design
for panel mount



Various peripherals for diverse
applications

UTC-500 Series

10.1" ~ 42.5" Rugged
All-in-One Touch Computers



Rugged and Tough

The reinforced aluminum housing provides full protection to the system, making UTC-500 an ideal solution to tackle environmental challenges. The touchscreen is configurable to support gloved operation.



Easily Attachable Expansion Peripherals

The grooves on four sides of the unit allow customers to install multiple peripherals at once and freely position the device in the place where they need it.



Integrated AI Accelerator

The inclusion of an AI accelerator card increases the system's computing power, enabling vision and AI-based tasks to be conducted at the edge.



UTC-510

10.1" All-in-One Touch Computer



10.1" All-in-One Touch Computer



Customizable frame color



Intuitive LED light bar (optional)

UTC-515 / 520 / 532

15.6" / 21.5" / 31.5" All-in-One Touch Computer



Reinforced metal enclosure



Side groove design for
flexible peripheral installation



Easy-swap storage drive

Rugged UTC-515 / 520

15.6" / 21.5" All-in-One Touch Computer



All-around IP66/69K-rated
ingress protection
(with waterproof M12 connectors)



Wide operating temperature
-10 ~ 50 °C / 14 ~ 122 °F



Configurable display and
screen enhancement

UTC-542

42.5" All-in-One Touch Computer



Narrow bezel design



Easy-access storage slot



Mirror coating (optional)

Memo

Intelligent POS Systems



Application Scenarios



POS Systems with Kangaroo stands



Product Information Checking Systems



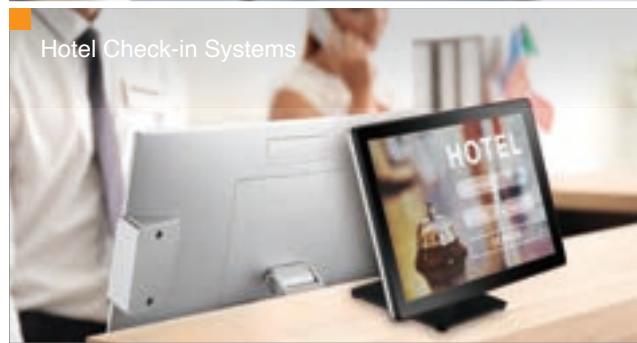
POS Systems with Pole Mount



POS Systems with Thermal Printer



Pick-Up Area and Kitchen Display Systems

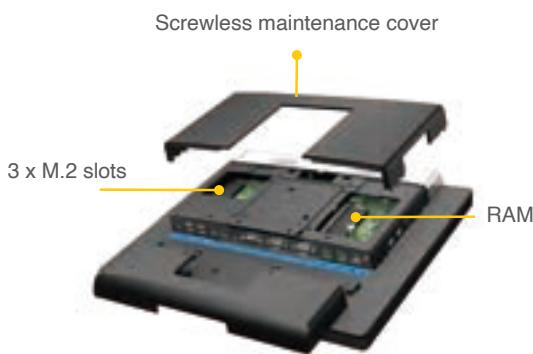


Hotel Check-in Systems

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

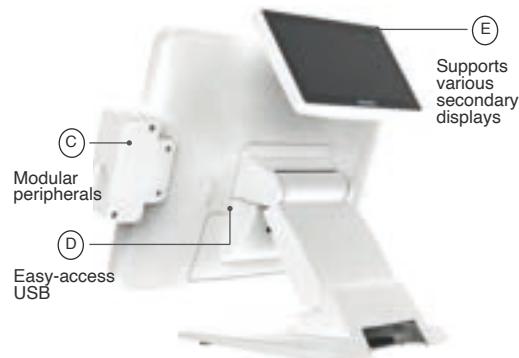
Designed for easy replacement and maintenance

Advantech provides USC series POS systems that are easy to replace and maintain, allowing store owners to install and use them more conveniently.



Various optional peripherals

The system functions can be easily extended with the integration of additional modules and optional peripherals, making the POS systems multi-functional for a diverse set of applications.



Multiple mounting and stand options

The USC series supports various kinds of mounting options, such as VESA mount, dual-hinge stand, Avalo stand, etc. USC-130/160 and USC-250 can also use a Kangaroo Stand for self-service applications.



Durable cover and water/oil resistant screen

The USC series supports various kinds of mounting options, such as VESA mount, dual-hinge stand, Avalo stand, etc. USC-130/160 and USC-250 can also use a Kangaroo Stand for self-service applications.



USC-130/160

11.6" / 15.6" Simple, easy-to-use POS system with ARM computing platform.

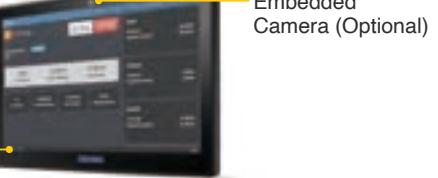


PoE and Wide-Range Power Input

Enable the POS System to be applied in various environments with different voltage specifications.

Embedded camera and RFID reader (Optional)

The front camera and RFID reader allow the USC-130/160 to be used as an ID or access control system.



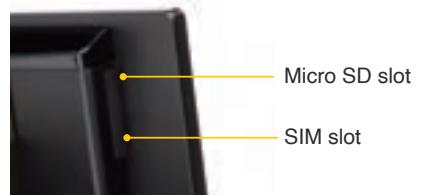
Versatile mount designs

The USC-130/160 can be equipped with a dual-hinge stand or a kangaroo stand for self-service applications.



Cable management

The special cable cover design improves safety and stability.



Easy-access Micro SD and SIM slots

Micro SD and SIM slots allow users to expand storage easily.

USC-250

15" Slim, High-Performance, All-in-One Service Computer



UPOS-211

15" Compact, affordable POS system with flat-pack packaging design



High- or basic-level CPU options allow for a wider range of applications



Dual-hinge stand enables flat packing and saves on shipping costs



Easy-access USB



Efficient cable management

USC-300 Series

15.6" Narrow-bezel POS system with aesthetic yet durable unibody
Sleek modern design with dual-hinged stand



Ultra-thin and super-slim bezel design

Clean lines and a seamless viewing experience help users focus on their tasks. USC-365 takes up very little desk space and fits well in any setting, enabling easy installation, integration, and maintenance in public spaces.



Extendable hub capability

The powerful and flexible hub is linked through Type-C technology with advanced cable management. Moreover, the hub can be used separately from the stand. The stylish design can be an integral part of your store's image.



Separable second display design

The USC-300 series can connect to a second display through the 3-in-1 extension cable which provides power, audio, and video.



Flexible installation and variable mount options

The USC-300 series can be installed with various mount options, such as the Dual Hinge, Pole Mount, Avalo Stand, and VESA Mount.



USC-365

15.6" Narrow-bezel POS system with aesthetic yet durable unibody



First fully anodized aluminum cover in the POS industry



Built in Intel® 11th Gen processor



Anti-glare direct bonding panel with low reflection for viewing comfort



Integrated wiring design via USB-C

USC-360

15.6" Versatile and Flexible POS Terminal



Supports Windows 11, Linux and Android 12



Rich peripherals and flexible installation



Efficient cable management via USB-C



Dual-hinged stand enables multi-angle use

USC-M Series

PCAP Touchscreen Monitor



Modern & slim touch panel

Thin bezel or bezel-less screen designed with an ultra-slim front panel



Diverse video I/O types

Support for VGA, HDMI and Type-C interfaces



Various mounting options

Supports various mounting options, such as 75x75 VESA mount, pole mount, rear mount and desk stand



Various applications

The compact and portable size facilitates a variety of uses such as a second display or box-PC monitor



USC-M3/M6

11.6" / 15.6" 16:9 Ultra-Slim
Touch Monitor



Reserved side hatch for
optional peripherals



Supports various mounting options



12 mm
Ultra-slim and compact design

UPOS-M15

15.1" 4:3 TFT PCAP Touch Monitor



Available with dual-hinged stand



Reserved side hatch for optional modules



Built-in speaker

USC-M10/M60

10.1" / 15.6" Ultra-slim,
stylish touchscreen monitor



USB-C connectivity
optimizes serviceability



Compact and future-ready with a simple design



Supports VESA and wall mounting

Self-Service Kiosks

Application Scenarios



Hotel Self Check-In Kiosks



Visitor Management Kiosks



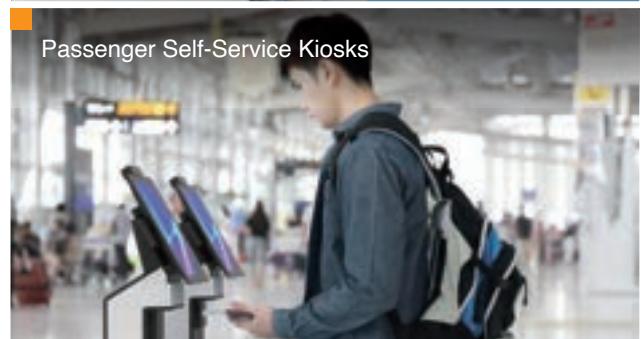
Self-Service Drive-Through Kiosks



Patient Self-Registration and Check-In Kiosks



Retail Self-Checkout Kiosks



Passenger Self-Service Kiosks

Advantech brings AIoT software platforms, technologies, industrial computing and designs, and globalized service networks under one roof to support swift business development and create satisfying experiences for customers.



Standardized Kiosks Designed for Change

Inheriting the designs of Advantech's core systems and key components, UTK kiosks come in various forms and styles for self-checkout, self-order, and other self-services. With their modular design, customers can modify the UTK kiosks to fit a client's particular needs. For example, each chassis can be customized with colors and logos to support brand identity. Payment sensors/modules can be customized for certain user scenarios, and AI/RFID technologies can be integrated to create personalized customer experiences.



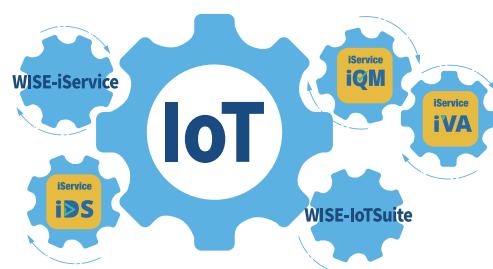
Centralized Remote Device Management

With DeviceOn/iService remote device management software, customers can deploy, manage, and update different devices in different locations anytime - from one centralized platform. By adopting this modern asset management paradigm, stakeholders can deploy kiosks to better control costs, improve efficiency, and streamline operations.



Empower Digital Transformation with Service-IoT

Leveraging the WISE-IoT edge-to-cloud platform and WISEMarketplace IoT infrastructure, Advantech delivers a suite of domain-focused cloud apps (WISE-iService apps) for service providers in retail, hospitality, and public spaces. With a low-code or no-code modular approach, WISE-iService apps allow easy collaboration with clients to devise the most effective solutions, making digital transformation faster and easier.



Comprehensive Tools for Faster Integration and Extended Capabilities for AI

Advantech offers several Software Development Kits (SDKs) for developers to shorten the development cycle and simplify the integration process. These SDKs provide the tools needed to develop kiosk solutions and extend the capabilities of peripherals and devices. Kiosks can be customized and supported by thermal printers, identification readers, scanners, cameras and more to enable AI and other applications.



UTK-3000 Series

Kiosks Designed for Customization



Compact size with flexible peripheral options

The UTK-3000 is a compact & highly customizable kiosk. It can be integrated with 5 types of peripherals including a payment module, barcode scanner, printer, LED status indicator, camera, and more to support specific applications.



Front and back doors for easy maintenance

The UTK-3000 has front and back service doors, so it can be easily repaired. The front service door can be used for changing the paper roll of the printer while the back service door is ideal for organizing the cables and repairing the box PC.



Easy customization

The two-piece modular design allows the all-in-one computer, box-PC, and monitor size to be easily customized to the customer's requirements.



Easy installation in a wide range of environments

The UTK-3000 series supports both landscape and portrait screen orientations to ensure easy installation in diverse environments.



UTK-3715 / 3815 / 3924

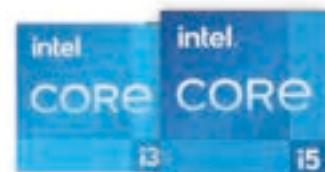
15"/15.6"/23.8" compact, highly customizable self-service kiosks



4:3 landscape display or 16:9 portrait display options



Stylish, compact design saves space



Compatible with various processors to support various applications



Flexible configuration according to usage requirements



Suitable for Advantech's design-to-order services

UTK-6000 Series

15.6" ~ 31.5" Self-Service Kiosks



All-in-One Solution

The all-in-one form factor provides a minimal footprint, which is easy to deploy in a high-traffic service environment while allowing ample space for self-service.



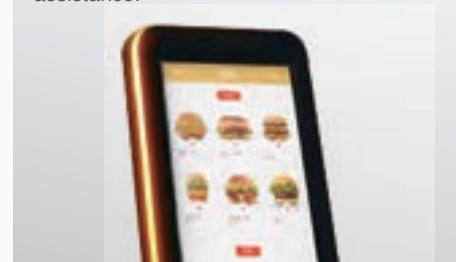
Built for Purpose

With security and usability in mind, UTK-6000 kiosks feature several configurations tailored to diverse self-service scenarios. The kiosk system can be wall-mounted, floor-mounted, freestanding, or on a desktop for easy interactions.



Features for an Enhanced User Experience

By leveraging interactive technologies, UTK-6000 allows organizations to create an engaging self-service experience. The integration of sensors, devices and lighting indicators enables guests to navigate the service system without much staff assistance.



UTK-615

15.6" Compact, Lightweight,
Multipurpose Self-Service Kiosks



Mobile Design with
Battery Module



Enhanced Usability for Easy Operation



Supports Various Payment Systems

UTK-6024

23.8" Light and Multi-Purpose
Self-Service Kiosks



Flexible installation from free
standing to countertop



Voice AI and touch-free interaction
alleviate concerns around hygiene



The robust enclosure design ensures
serviceability and lowers total cost of
ownership

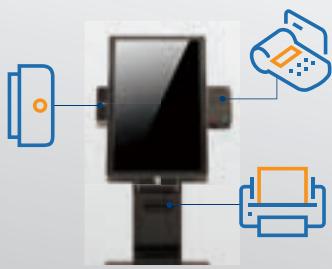
UTK-7000 series

15.6" / 21.5" Modular, Mix-n-Match, Self-Service Kiosks



Flexible, Customizable Configuration

UTK-7000 kiosks feature a modular design that can be flexibly configured and integrated with a wide range of optional peripherals to provide custom solutions for specific applications.



Modular Design for Easy Shipping

The modular design allows the kiosk to be separated into constituent parts for easy shipping. It can also be configured for specific industries and inventory management.



Future-Ready Scalable System

Equipped with 11th Gen Intel® Core™ or the latest Pentium®/Celeron® processors, UTK-7000 kiosks support multiple OSs for easy upgrades and expansion to support future applications.



UTK-7515 / 7521

15.6" / 21.5" Smart, modular, durable and high-performance self-service kiosks



Rugged cover design to withstand environmental challenges.

Side groove allows customers to install peripherals freely and flexibly.

High durability for unattended or self-service applications

UTK-7115 / 7121

15.6" / 21.5" Smart, modular, slim and cost-effective self-service kiosks



Thin, slim & light



Symmetrical design peripherals



Compact and stylish appearance to fit its surroundings

UTK DMS Series



Outdoor Self-Service Kiosks



Wall Mounted All-in-One Kiosks

Restaurant Self-Ordering Kiosks





Supermarket Self-Checkout Kiosks

Retail Self-Checkout Kiosks

Countertop Interactive Kiosks

| Expertise in Kiosk Customization Service | In-House Circuit Design Capability | Extensive Knowledge of Mechanical Engineering | Software and Technology Integration |
|---|--|--|--|
| <ul style="list-style-type: none">In-house industrial design teamDedicated team for ODM/DMS customersRapid ODM/DMS development cycle time | Aggregation of sensor and power control management | <ul style="list-style-type: none">Rugged and robustSafe and secureIndoor and outdoor | <ul style="list-style-type: none">Industrial SDKs and APIs for device and sensor integrationVoice AI technology integrationDeviceOn/iService remote device management software for systems and peripherals at the edge |

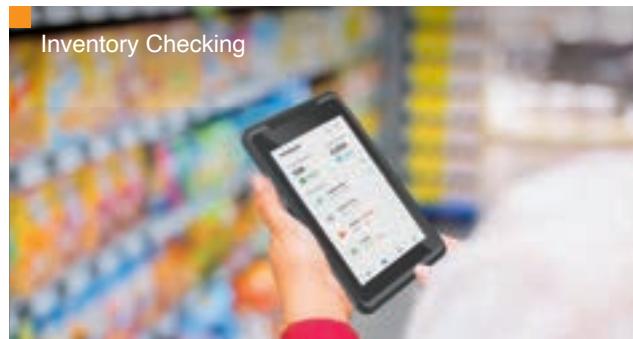
Industrial-Grade Tablets



Application Scenarios



Tableside Self-Ordering



Inventory Checking



Mobile POS



Picking & Picking



Omnichannel fulfillment



Warehouse Forklift

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



Outdoor/Harsh Environments



LTE/Wi-Fi connectivity
for real-time data
communication



Sunlight-readable,
anti-glare, anti-scratch
display



IP65 rating with 4 ft.
drop tolerance



Wide operating temperature
and long-duration battery

Hands-Free Solutions



Wall mount dock



Shoulder strap



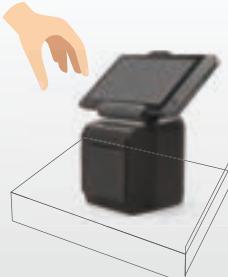
Hand strap



Rotatable
hand strap



Vehicle dock



Desktop dock

Application-Oriented Peripherals



UHF RFID
reader



RJ-45 + COM
module



20° barcode
scanner



70° barcode
scanner



Multi-tablet
charging station



Multi-battery
charging station

AIM-37

10.1" Windows & Android OS
Industrial-Grade Tablet



Thermal printer

Magnetic charging station

Embedded NFC & Barcode reader for payment service

AIM-68 / 65

8" / 10.1" Windows OS
Industrial-Grade Tablet



IP65 rating with 4 ft. drop tolerance



Hot-swappable battery for long-duration operation (AIM-68 only)



Integrated peripherals for various applications

AIM-78S / 75S

8" / 10.1" Android OS
Industrial-Grade Tablet



Long-duration battery



High brightness
sunlight-readable display(AIM-78 only)



Integrated peripherals for
various applications

PWS-872

10.1" Windows OS
Fully Rugged Tablet



Additional I/O module



Universal cover package
for high mobility



Vehicle dock for in-vehicle
applications

Box PCs / AI Edge Computers



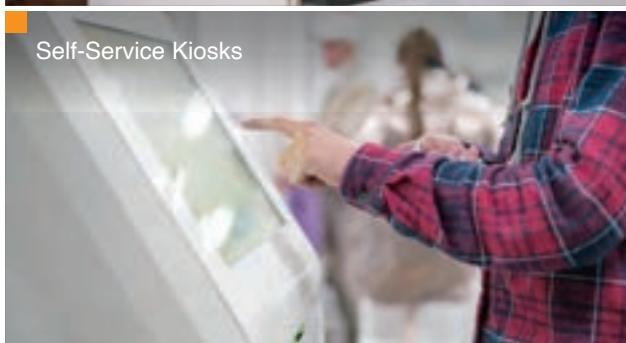
Application Scenarios



Intelligent POS Systems



Digital Signage Players



Self-Service Kiosks



AI Edge Workstations



Warehouse Edge Servers



Wayfinding and Information Kiosks

Advantech has developed high-performance, fan-less, low-power, industrial-grade box PCs that can be integrated with remote management software and cloud-based digital signage systems to support various retail and hospitality applications, such as point-of-sale, digital signage, and store management operations. These devices enable customer behavior data to be collected for business insights in order to improve service efficiency.

Multiple I/O facilitates a variety of applications

To suit various applications, the UBX series features multiple I/O interfaces, such as COM ports and USB ports. The UBX series also supports HDMI for 4K or 8K video.



Stable and high performance with reliable processors

Powered by Intel® or ARM® processors, UBX series devices are designed to be used for various applications, all of them requiring stable and reliable performance.



Multiple mount options for easy installation

The UBX series supports various mount options that enable installation in a variety of scenarios. The devices can be hung on a wall easily with VESA or magnet mounts.



Added-value support for software, such as DeviceOn/iService

The UBX series supports various OSs, such as Windows, Linux, and Android. The UBX series also supports Advantech's DeviceOn/iService remote management software for convenient device management.



UBX-100 Series

Compact Mini Box PC



Ultra-compact design

UBX-100 series devices are designed to be compact, slim and lightweight, with easy installation in confined spaces. The space-saving feature also makes the UBX-100 series perfect as a gateway.



Superior video quality support

UBX-100 series devices offer vivid images. They are equipped with HDMI outputs for 4K or 8K video. UBX-100 series devices work splendidly as signage players.



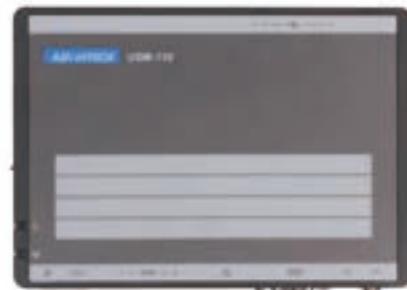
Various compatible modules

The UBX-100 series can be integrated with an optional WiFi and Bluetooth combo module and 4G LTE module, allowing additional connectivity options.



USM-110

4K Ultra-Compact ARM-Based Mini Box PC



ARM® Cortex®A17 or
A55 processor



Multiple mount options including VESA,
wall, pole, magnet, and DIN-rail mounting



Supports Android and Linux OS

UBX-110

8K Compact x86-Based Mini Box PC



11th Gen Intel®, Celeron®,
Core™ i3/i5/i7 processors



Independent TPM 2.0 chip
for enhanced security



Supports RAID 0/1 to offer a
complete data backup solution

UBX-200 Series

Intelligent, High-Performance Edge Computers



Powered by high-performance processors

UBX-200 series devices have built-in Intel® Core™ and Celeron® processors with strong and stable performance to enable edge computers to manage huge amounts of data and perform complex computing.



Support for Multiple I/O Interfaces

To expand to more applications, the UBX-200 series devices all support various I/O ports. The multiple I/O ports enable users to connect with a large selection of peripherals to meet specific requirements.



UBX-230

High-performance edge computer with enhanced security



Independent TPM 2.0 chip
for enhanced security



COM ports or Powered USB
options make UBX-230 multi-
functional



Supports triple displays to extend
the visible range and provide
detailed video content



Supports RAID 0/1 to
offer a complete data
backup solution

UBX-310

Intelligent, Fan-less Edge Computer



Front-facing USB for
easy maintenance



Slim and lightweight design



Wall-mounted and desktop
types available

USM-500R

Intelligent edge workstation with high expandability



Enhanced CPU computing performance

8th/9th Gen Intel® Core™ i7/i5/i3 processors with Intel® Q370



M.2 and SATA SSD/HDD storage with RAID 0,1,5 support

The system has 1 x M.2 SSD and 2 x SATA HDD, allowing users to implement different RAID protection levels as required.



High Expandability and Rich I/O Connectivity

Supports up to 3 x PCIe slots for integration with graphics cards and data capture cards to enable edge computing and AI/graphics processing.



Flexible Design for Easy Maintenance

Front USB ports allow users to maintain the system and upgrade the S/W image easily. You can easily maintain/swap the expansion cards by removing the top cover.



Supports multiple OSs

Capable of using Windows 10 or Linux OS to deliver an open-source environment that streamlines software development.

Memo

UTC

Product Selection Guide



| Model Name | UTC-115G | UTC-115H | UTC-115I | UTC-120G | UTC-120H | UTC-120I |
|---------------------|---------------------------|--|--|--|---|---|
| System | CPU | Intel® Pentium® N4200 | Intel® Core™ i5-8365UE (Intel Vpro support) | Intel® Pentium® N4200 | Intel® Core™ i5-8365UE (Intel Vpro support) | Intel® Core™ i5-1145G7E |
| | Core Number | 4 cores | 4 cores | 4 cores | 4 cores | 4 cores |
| | Frequency | 1.10 GHz / 2.50 GHz | 1.10 GHz | 1.50 GHz | 1.10 GHz / 2.50 GHz | 1.10 GHz |
| | L2 Cache | 2 MB | 6 MB | 8 MB | 2 MB | 6 MB |
| Memory | TPM | N/A | TPM 2.0 | TPM 2.0 | N/A | TPM 2.0 |
| | Technology | DDR3L 1600 MHz | DDR4 2400 MT/s | DDR4 3200 MT/s | DDR3L 1600 MHz | DDR4 2400 MT/s |
| | Max. Capacity | 8 GB | 16 GB | 64 GB | 8 GB | 16 GB |
| Storage | Socket | 1 x 204-pin SO-DIMM | 1 x 260-pin SO-DIMM | 2 x 260-pin SO-DIMM | 1 x 204-pin SO-DIMM | 1 x 260-pin SO-DIMM |
| | 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 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 | Audio Interface | HD Audio | HD Audio | HD Audio | HD Audio | HD Audio |
| | Stereo Speaker | 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 | Yes | Yes |
| | WiFi& Bluetooth | Optional | Optional | Optional | Optional | Optional |
| Display | Size/Type | 15.6" TFT LCD | 15.6" TFT LCD | 15.6" TFT LCD | 21.5" TFT LCD | 21.5" TFT LCD |
| | Max. Resolution | 1366 x 768 (HD) 1920 x 1080 (FHD, Optional) | 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) |
| | Brightness | 220 cd/m² (HD) 300 cd/m² (FHD) | 220 cd/m² (HD) 400 cd/m² (FHD) | 220 cd/m² (HD) 400 cd/m² (FHD) | 250 cd/m² 400 cd/m² | 250 cd/m² 400 cd/m² |
| | Viewing Angel | 90°/50° | 90°/50° (HD) 170°/170° (FHD) | 90°/50° (HD) 170°/170° (FHD) | 178°/178° | 178°/178° |
| | Touch Screen | P-CAP | 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 | COM1: RS-232 COM2: RS-232/422/485 |
| | USB | 4 x USB 3.0 | 4 x USB 3.0 | 2 x USB 3.0 Type-A 2 x USB 3.0 Type-C | 4 x USB 3.0 2 x USB 3.0 (Optional) | 4 x USB 3.0 2 x USB 3.0 (Optional) |
| | Graphic Output | 1 x HDMI 1.4 | 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 | 2 x Gigabit Ethernet (1 with PoE) | 2 x Gigabit Ethernet | 2 x Gigabit Ethernet | 2 x Gigabit Ethernet | 2 x Gigabit Ethernet |
| | DC In | DC Power Jack | DC Power Jack | Type-C PD DC-In | DC Power Jack | DC Power Jack |
| Power | DC Input Rating | 12V/5A ~ 24V/2.5A | 12V/5A ~ 24V/2.5A | 20V/3.25A | 12V/7A | 12V/7A |
| | Power Adapter | 60W ITE Adapter | 60W ITE Adapter | 65W PD Type-C Adapter | 84W ITE Adapter | 84W ITE Adapter |
| | PoE | IEEE 802.3at / 30W (Optional) | N/A | N/A | N/A | N/A |
| | Power Consumption | 26W | 45W | 65W | 43.5W | 60W |
| Environment | Operating Temperature | 0 ~ 40 °C (32 ~ 104 °F) | 0 ~ 35 °C (32 ~ 95 °F) | 0 ~ 35 °C (32 ~ 95 °F) | 0 ~ 40 °C (32 ~ 104 °F) | 0 ~ 35 °C (32 ~ 95 °F) |
| | Non-operating Temperature | -10 ~ 50 °C | -10 ~ 50 °C | -10 ~ 50 °C | -10 ~ 50 °C | -10 ~ 50 °C |
| | Relative Humidity | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C |
| | Vibration Resistance | 0.5G | 0.5G | 0.5G | 0.5G | 0.5G |
| | Shock Protection | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) |
| | Front Panel Protection | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant |
| | EMC | CE, FCC, CB, UL, CCC, BSMI | CE, FCC, CB, UL, CCC, BSMI | CE, FCC, CB, UL, CCC, BSMI | BSMI, CE, FCC Class B, CCC | CE, FCC, CB, UL, CCC, BSMI |
| Mechanical | Construction | Plastic/ Iron | Plastic/ Iron | Plastic/ Iron | Plastic/ Iron | Plastic/ Iron |
| | 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 |
| | Dimensions (W x H x D) | 398.8 x 248.2 x 29.5 mm | 398.8 x 248.2 x 29.5 mm | 398.8 x 248.2 x 29.5 mm | 523.9 x 315.4 x 39.5 mm | 523.9 x 315.4 x 39.5 mm |
| | Weight | 2.4 kg | 2.4 kg | 2.4 kg | 5.29 kg | 5.29 kg |
| OS Support | Windows | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit |
| | Android | Android 10.1 | N/A | N/A | Android 10.1 | N/A |
| | Linux | Linux | Linux | Linux | Linux | Linux |



| Model Name | UTC-124G | UTC-124I | UTC-207G | UTC-210G | UTC-215F | UTC-215G |
|---------------------------|---|---|---|---|---|---|
| System | CPU | Intel® Pentium® N4200 | Intel® Core™ i5-1145G7E | Intel® Celeron® N3350 / Intel® Pentium® N4200 | Intel® Celeron® N3350 / Intel® Pentium® N4200 | Intel® Core™ i5-6300U |
| | Core Number | 4 cores | 4 cores | 2 cores (N3350)/ 4 cores (N4200) | 2 cores (N3350)/ 4 cores (N4200) | 2 cores |
| | Frequency | 1.10 GHz / 2.50 GHz | 1.50 GHz | 1.10 GHz | 1.10 GHz | 2.4 GHz |
| | L2 Cache | 2 MB | 8 MB | 1 MB / 2 MB | 1 MB / 2 MB | 3 MB |
| Memory | TPM | N/A | TPM 2.0 | N/A | N/A | N/A |
| | Technology | DDR3L 1600 MHz | DDR4 3200 MT/s | DDR3L 1866 MHz | DDR3L 1866 MHz | DDR4 2133 MHz |
| | Max. Capacity | 8 GB | 16GB | 8 GB | 16 GB | 8GB |
| Storage | Socket | 1 x 204-pin SO-DIMM | 2 x 260-pin SO-DIMM | 1 x 204-pin SO-DIMM | 1 x 260-pin SO-DIMM | 1 x 204pin SO-DIMM |
| | SATA | 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 | N/A | N/A | N/A | 1 x Full-size mSATA | 1 x Full-size mSATA |
| Expansion Interface | Mini PCIe | N/A | N/A | N/A | 1 x Full-size Mini PCIe | 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 | 2230 for WLAN 2242 for storage | 2230 for WLAN 2242 for storage | N/A |
| Audio | Audio Interface | HD Audio | HD Audio | N/A | HD Audio | HD Audio |
| | Stereo Speaker | 2W speaker x 2 | 2W speaker x 2 | 2W speaker x 1 (Optional) | 2W speaker x 2 (Optional) | 2W speaker x 2 (Optional) |
| Network | Wake on LAN | Yes | Yes | Yes | Yes | Yes |
| | WiFi& Bluetooth | Optional | Optional | Optional | Optional | Optional |
| Display | Size/Type | 23.8" TFT LCD | 23.8" TFT LCD | 7" TFT LCD | 10.1" TFT LCD | 15.6" TFT LCD |
| | Max. Resolution | 1920 x 1080 (FHD) | 1920 x 1080 (FHD) | 800 x 480 | 1280 x 800 | 1920 x 1080 (FHD) |
| | Brightness | 350 cd/m² | 350 cd/m² | 450 cd/m² | 450 cd/m² | 220 cd/m² |
| | Viewing Angel | 178°/178° | 178°/178° | 140°/160° | 170°/170° | 90°/60° |
| External I/O | Touch Screen | P-CAP | P-CAP | P-CAP / Glass | P-CAP / Glass | P-CAP / Glass |
| | 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(Optional) COM2: RS-232/422/485 (Optional) | COM1: RS-232(Optional) COM2: RS-232/422/485 (Optional) |
| | USB | 4 x USB 3.0 2 x USB 3.0 (Optional) | 3 x USB 3.0 Type-A 2 x USB 3.0 Type-C | 2 x USB 3.0 2 x USB 3.0 (Optional) | 2 x USB 2.0 4 x USB 3.0 | 2 x USB 2.0 4 x USB 3.0 |
| | Graphic Output | 1 x HDMI 1.4 | 1 x HDMI 1.4 | N/A | N/A | 1 x HDMI 1.4 |
| | Audio Port | 1 x Audio phone jack | 1 x Audio phone jack | N/A | N/A | 1 x Line-out 1 x Mic-in |
| | RJ-45 Ethernet | 2 x Gigabit Ethernet | 2 x Gigabit Ethernet | 2 x Gigabit Ethernet (1 with PoE) | 2 x Gigabit Ethernet | 2 x Gigabit Ethernet |
| Power | DC In | DC Power Jack | Type-C PD DC-In | DC Power Jack | DC Power Jack | DC Power Jack |
| | DC Input Rating | 12V/7A | 20V/3.25A | 12V/3A ~ 24V/1.5A | 12~30V/7A | 12V/7A (12~30V optional) |
| | Power Adapter | 84W ITE Adapter | 90W PD Type-C Adapter | 36W ITE Adapter | 36W ITE Adapter | 84W ITE Adapter |
| | PoE | N/A | N/A | IEEE 802.3at / 30W (Optional) | IEEE 802.3at / 30W (Optional) | |
| Environment | Power Consumption | 43.5W | 65W | Typical: 25W Max.: 34W | Typical: 32W Max.: 70W | Typical: 32W Max.: 70W |
| | Operating Temperature | 0 ~ 40 °C (32 ~ 104 °F) | 0 ~ 35 °C (32 ~ 95 °F) | 0 ~ 40 °C (32 ~ 104 °F) | 0 ~ 40 °C (32 ~ 104 °F) | 0 ~ 40 °C (32 ~ 104 °F) |
| Non-operating Temperature | -10 ~ 50 °C | -10 ~ 50 °C | -10 ~ 50 °C |
| | Relative Humidity | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C |
| | Vibration Resistance | 0.5G | 0.5G | 0.5G | 0.5G | 0.5G |
| Shock Protection | 10G peak acceleration (11 msec. duration) | 5G peak acceleration (11 msec. duration) | 5G peak acceleration (11 msec. duration) |
| | Front Panel Protection | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant |
| | EMC | CE, FCC, CB, UL, CCC, BSMI | CE, FCC, CB, UL, CCC, BSMI | CE, FCC | CE, FCC | |
| Mechanical | Construction | Plastic / Iron | Plastic / Iron | Iron | Iron | Iron |
| | Mounting | VESA 100 x 100 mm | VESA 100 x 100 mm | Open-frame | Open-frame | Open-frame |
| | Dimensions (W x H x D) | 587.5 x 356.5 x 42.5 mm | 587.5 x 356.5 x 53.9 mm | 180 x 116.5 x 32.5 mm | 247 x 165.6 x 33.2 mm | 418.32 x 276.32 x 40.05 mm |
| | Weight | 5.29 kg | 5.29 kg | 0.95 kg (2.09 lb) | 1.3 kg (2.87 lb) | 3.1 kg |
| OS Support | Windows | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit | WES 7P 32-bit / WES 7E 32-bit / Windows Pro Embedded 64-bit / WE8S 64-bit / Windows Embedded 8.1 Industry Pro 64-bit / Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit |
| | Android | Android 10.1 | na | Android 6.0/8.1/10 | Android 6.0/8.1/10 | Android 6.0/8.1/10 |
| | Linux | Linux | Linux | Linux | Linux | Linux |



| Model Name | UTC-220F | UTC-220G | UTC-232F | UTC-232G | UTC-307G |
|---------------------|---|---|---|--|--|
| System | Intel® Core™ i5-6300U (Default) Intel® Core™ i3-6100U | Intel® Pentium® N4200 (Default) Intel® Atom® E3950 | Intel® Core™ i5-6300U (Default) Intel® Core™ i3-6100U | Intel® Pentium® N4200 (Default) Intel® Atom® E3950 | Intel® Celeron® N3350 / Intel® Pentium® N4200 |
| | Core Number | 2 cores | 4 cores | 2 cores | 2 cores (N3350)/ 4 cores (N4200) |
| | Frequency | 2.4 GHz | 1.1 GHz (N4200) / 1.6 GHz (E3950) | 2.4 GHz (i5-6300U) | 1.1 GHz (N4200) |
| | L2 Cache | 3 MB | 2 MB | 3 MB | 1.10 GHz (N3350) / 1.10 GHz (N4200) |
| | TPM | N/A | N/A | N/A | 1 MB / 2 MB |
| Memory | Technology | DDR3L 1600 MHz | DDR3L 1866 MHz | DDR3L 1600 MHz | DDR3L 1600 MHz |
| | Max. Capacity | 16 GB | 8 GB | 16 GB | 8 GB |
| | Socket | 2 x 204-pin SO-DIMM | 1 x 204-pin SO-DIMM | 2 x 204-pin SO-DIMM | 1 x 204-pin SO-DIMM |
| 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 | 1 x Full-size mSATA | 1 x Full-size mSATA | 1 x Full-size mSATA | 1 x Full-size mSATA |
| Expansion Interface | Mini PCIe | 1 x Full-size Mini PCIe 1 x Half-size Mini PCIe | 1 x Full-size Mini PCIe | 1 x Full-size Mini PCIe | N/A |
| | M.2 | | | N/A | 1 x M.2 2230(for WiFi/BT) 1 x M.2 2242(for Storage) |
| Audio | Audio Interface | HD Audio | HD Audio | HD Audio | HD Audio |
| | Stereo Speaker | 10W speaker x 2 (Optional) | 3W speaker x 2 (Optional) | 10W speaker x 2 (Optional) | 10W speaker x 2 (Optional) |
| Network | Wake on LAN | Yes | Yes | Yes | Yes |
| | WiFi& Bluetooth | | | Optional | Optional |
| Display | Size/Type | 21.5" TFT LCD | 21.5" TFT LCD | 31.5" TFT LCD | 31.5" TFT LCD |
| | Max. Resolution | 1920 x 1080 (FHD) | 1920 x 1080 (FHD) | 1920 x 1080 (FHD) | 1920 x 1080 (FHD) |
| | Brightness | 250 cd/m² 400 cd/m² (Optional) | 250 cd/m² 400 cd/m² (Optional) | 300 cd/m² 400 cd/m² (Optional) | 300 cd/m² 400 cd/m² (Optional) |
| | Viewing Angel | 178°/178° | 178°/178° | 178°/178° | 178°/178° |
| | Touch Screen | P-CAP / Resistive / Glass | P-CAP / Resistive / Glass | P-CAP / Glass | P-CAP / Glass |
| External I/O | COM | N/A | N/A | N/A | N/A |
| | USB | 2 x USB 2.0 2 x USB 3.0 | 2 x USB 2.0 2 x USB 3.0 | 2 x USB 2.0 2 x USB 3.0 | 2 x USB 3.0 2 x USB 3.0 (Optional) |
| | Graphic Output | 1 x HDMI 1 x VGA | 1 x HDMI 1 x VGA | 1 x HDMI 1 x VGA | N/A |
| | Audio Port | 1 x Line-out 1 x Mic-in (Optional) | Speaker, Line-out & Mic-in (Optional) | 1 x Line-out (Optional) 1 x Mic-in (Optional) | 1 x Line-out (Optional) 1 x Mic-in (Optional) |
| | RJ-45 Ethernet | 2 x Gigabit Ethernet | 2 x Gigabit Ethernet | 2 x Gigabit Ethernet | 2 x Gigabit Ethernet (1 with PoE) |
| | DC In | DC Power Jack | DC Power Jack | DC Power Jack | DC Power Jack |
| Power | DC Input Rating | 12V/7A | 12V/7A | 12V/7A | 12V/3A ~ 24V/1.5 A |
| | Power Adapter | 84W ITE Adapter | 84W ITE Adapter | 84W ITE Adapter | 36W ITE Adapter |
| | PoE | | | | IEEE 802.3at / 30W (Optional) |
| | Power Consumption | Typical 45W Max. 65W | Typical 45W Max. 65W | Typical 45W Max. 65W | Typical 25W Max. 34W |
| 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) |
| | Non-operating Temperature | 0 ~ 40 °C | 0 ~ 40 °C | 0 ~ 40 °C | 0 ~ 40 °C |
| | Relative Humidity | 10 ~ 90% @ 40 °C | 10 ~ 90% @ 40 °C | 10 ~ 90% @ 40 °C | 10 ~ 90% @ 40 °C |
| | Vibration Resistance | 0.5G | 0.5G | 0.5G | 0.5G |
| | Shock Protection | 5G peak acceleration (11 msec. duration) | 5G peak acceleration (11 msec. duration) | 5G peak acceleration (11 msec. duration) | 5G peak acceleration (11 msec. duration)" |
| | Front Panel Protection | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant |
| | EMC | CE, FCC Class B | CE, FCC Class B | CE, FCC Class B | CE, FCC, CB, UL, CCC, BSMI |
| | Construction | Iron / Aluminum | Iron / Aluminum | Iron / Aluminum | Plastic / Iron |
| Mechanical | Mounting | Open-frame | Open-frame | Open-frame | VESA 75 x 75 mm |
| | Dimensions (W x H x D) | 515.04 x 310.91 x 42.20 mm | 515.04 x 310.91 x 42.20 mm | 760.80 x 455.25 x 57.6 mm | 760.80 x 455.25 x 57.6 mm |
| | Weight | 5.8 kg | 5.8 kg | 15 kg | 185 x 121 x 32 mm |
| | Weight | 5.8 kg | 5.8 kg | 15 kg | 0.95 kg (2.09 lb) |
| OS Support | Windows | WES 7P 32-bit / WES 7E 32-bit / Windows Pro Embedded 7 SP1 64-bit / WE8S 64-bit / Windows Embedded 8.1 Industry Pro 64-bit / Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit | WES 7P 32-bit / WES 7E 32-bit / Windows Pro Embedded 7 SP1 64-bit / WE8S 64-bit / Windows Embedded 8.1 Industry Pro 64-bit / Win 10 IoT Enterprise | Win 10 IoT Enterprise |
| | Android | Android 4.4 | Android 6.0/8.1/10 | N/A | Android 6.0/8.1/10 |
| | Linux | Linux | Linux | Linux | Linux |

| Model Name | UTC-310G | UTC-315D | UTC-315F | UTC-315G | UTC-315H | UTC-315I |
|--------------|------------------------|--|---|---|---|--|
| System | CPU | Intel® Celeron® N3350 / Intel® Pentium® N4200 | Intel® Celeron® J1900 | Intel® Core™ i5-6300U (Default) Intel® Core™ i3-6100U | Intel® Pentium® N4200E (Default) Intel® Celeron® N3350 | Intel® Core™ i5-8365UE (Default) Intel® Core™ i3-8145UE |
| | Core Number | 2 cores (N3350)/ 4 cores (N4200) | 4 cores | 2 cores | 4 cores | 4 cores |
| | Frequency | 1.10 GHz (N3350) / 1.10 GHz (N4200) | 2.0 GHz | 2.4 GHz | 1.10 GHz | 1.6 GHz |
| | L2 Cache | 1 MB / 2 MB | 2 MB | 3 MB | 2 MB | 3 MB |
| | TPM | N/A | N/A | TPM 2.0 | TPM 2.0 (Optional) | TPM 2.0 |
| Memory | Technology | DDR3L 1600 MHz | DDR3L 1333 MHz | DDR4 2133 MHz | DDR3L 1866 MHz | DDR4 2400 MHz |
| | Max. Capacity | 8 GB | 8 GB | 16 GB | 8 GB | 32 GB |
| | Socket | 1 x 204-pin SO-DIMM | 1 x 204-pin SO-DIMM | 1 x 260-pin SO-DIMM | 1 x 204-pin SO-DIMM | 1 x 260-pin SO-DIMM |
| Storage | SATA | 1 x 2.5" SATA drive bay (2.5" N/A with Internal PoE) | 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 | 1 x Full-size mSATA | 1 x Full-size mSATA | 1 x mSATA | N/A |
| Interface | Mini PCIe | N/A | 1 x Full-size Mini PCIe | 1 x Full-size Mini PCIe | N/A | N/A |
| | M.2 | 1 x M.2 2230 (for WiFi/BT) 1 x M.2 2242 (for Storage) | N/A | N/A | 1 x M.2 2230 | 1 x M.2 2280/2242 1 x M.2 2230 |
| Audio | Audio Interface | NA | HD Audio | HD Audio | HD Audio | HD Audio |
| | Stereo Speaker | 2W speaker x 1 | 2W speaker x 2 | 2W speaker x 2 | 2W speaker x 2 | 2W speaker x 2 |
| Network | Wake on LAN | Yes | Yes | Yes | Yes | Yes |
| | WiFi& Bluetooth | Optional | Optional | Optional | Optional | Optional |
| Display | Size/Type | 10.1" TFT LCD | 15.6" TFT LCD | 15.6" TFT LCD | 15.6" TFT LCD | 15.6" TFT LCD |
| | Max. Resolution | 1280 x 800 | 1366 x 768 (HD) 1920 x 1080 (FHD, Optional) | 1366 x 768 (HD) 1920 x 1080 (FHD, Optional) | 1920 x 1080 (FHD) | 1920 x 1080 (FHD) |
| | Brightness | 350 cd/m² | 220 cd/m² | 220 cd/m² | 220 cd/m² | 220 cd/m² |
| | Viewing Angel | 170°/170° | 90°/60° (Default) 170°/170° (Optional) | 90°/60° (Default) 170°/170° (Optional) | 170°/170° | 170°/170° |
| | Touch Screen | P-CAP / Glass | P-CAP / Resistive | P-CAP / Resistive | P-CAP / Resistive | P-CAP / Resistive |
| 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-232/485 | COM1: RS-232 COM2: RS-232/485 |
| | USB | 2 x USB 3.0 2 x USB 3.0 (Optional) | 5 x USB 2.0 1 x USB 3.0 | 2 x USB 2.0 4 x USB 3.0 | 2 x USB 2.0 4 x USB 3.0 | 6 x USB 3.1 2 x USB 2.0 4 x USB 3.2 |
| | Graphic Output | N/A | 1 x HDMI | 1 x HDMI | 1 x HDMI | 1 x HDMI |
| | Audio Port | N/A | 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 | 2 x Gigabit Ethernet (1 with PoE) | 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 | DC Input Rating | 12V/3A ~ 24V/1.5A | 12V~30V/7A~3A (12~30V optional) | 12V~30V/7A~3A (12~30V optional) | 12V~30V/3A~7A | 12V~30V/3A~7A |
| | Power Adapter | 36W ITE Adapter | 84W/96W ITE Adapter | 84W/96W ITE Adapter | 84W/96W ITE Adapter | 84W/96W ITE Adapter |
| | PoE | IEEE 802.3at / 30W (Optional, N/A with 2.5" storage) | N/A | N/A | N/A | N/A |
| | Power Consumption | Typical 25W Max. 34W | Typical 32W Max. 70W | Typical 32W Max. 70W | 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) | 0 ~ 40 °C (32 ~ 104 °F) | 0 ~ 40 °C (32 ~ 104 °F) |
| | Storage Temperature | -40~60 °C (-40 ~ 140 °F) | -40~60 °C (-40 ~ 140 °F) | -40~60 °C (-40 ~ 140 °F) | -40~60 °C (-40 ~ 140 °F) | -40~60 °C (-40 ~ 140 °F) |
| | Relative Humidity | 10 ~ 90% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C |
| | Vibration Resistance | 0.5G | 0.5G | 0.5G | 0.5G | 0.5G |
| | Shock Protection | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) |
| | Front Panel Protection | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant |
| | EMC | CE, FCC, CB, UL, CCC, CB, BSMI | CE, FCC, UL, CCC, CB, BSMI | CE, FCC, UL, CCC, CB, BSMI | CE, FCC, UL, CCC, CB, BSMI | CE, FCC, UL, CCC, CB, BSMI |
| Mechanical | Construction | Plastic / Iron | Plastic | Plastic | Plastic | Plastic |
| | 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 |
| | Dimensions (W x H x D) | 185 x 121 x 32 mm | 402 x 260 x 39.7 mm | 402 x 260 x 39.7 mm | 402 x 260 x 39.7 mm | 402 x 260 x 39.7 mm |
| | Weight | 0.95 kg (2.09 lb) | 3.5 kg | 3.5 kg | 3.5 kg | 3.5 kg |
| OS Support | Windows | Win 10 IoT Enterprise 64-bit | WES 7P 32-bit / WES 7E 32-bit / Windows Pro Embedded 7 SP1 64-bit / WE8S 64-bit / Windows Embedded 8.1 Industry Pro 64-bit / Win 10 IoT Enterprise 64-bit | WES 7P 32-bit / WES 7E 32-bit / Windows Pro Embedded 7 SP1 64-bit / WE8S 64-bit / Windows Embedded 8.1 Industry Pro 64-bit / Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit |
| | Android | Android 6.0/8.1/10 | Android 6.0 | N/A | Android 10.0 | NA |
| | Linux | Linux | Linux | Linux | Linux | Linux |
| | | | | | | |



| Model Name | UTC-318D | UTC-318F | UTC-318G | UTC-318H | UTC-318I |
|---------------------|------------------------|---|---|---|---|
| System | Intel® Celeron® J1900 | Intel® Core™ i5-6300U (Default) Intel® Core™ i3-6100U | Intel® Pentium® N4200E (Default) Intel® Celeron® N3350 | Intel® Core™ i5-8365UE (Default) Intel® Core™ i3-8145UE | Intel® Core™ i5-1145G7E (Default) Intel® Core™ i3-1115G4E |
| | 4 cores | 2 cores | 4 cores | 4 cores | 4 cores |
| | 2.0 GHz | 2.4 GHz | 1.10 GHz | 1.6 GHz | 1.5 GHz |
| | 2 MB | 3 MB | 2 MB | 3 MB | 8 MB |
| TPM | N/A | TPM 2.0 | TPM 2.0 (Optional) | TPM 2.0 | TPM 2.0 |
| Memory | Technology | DDR3L 1333 MHz | DDR4 2133 MHz | DDR3L 1866 MHz | DDR4 2400 MHz |
| | Max. Capacity | 8 GB | 16 GB | 8 GB | 32 GB |
| | Socket | 1 x 204-pin SO-DIMM | 1 x 260-pin SO-DIMM | 1 x 204-pin SO-DIMM | 1 x 260-pin SO-DIMM |
| 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 | 1 x Full-size mSATA | 1 x Full-size mSATA | 1 x mSATA | N/A |
| Expansion Interface | Mini PCIe | 1 x Full-size Mini PCIe | 1 x Full-size Mini PCIe | N/A | N/A |
| | M.2 | N/A | N/A | 1 x M.2 2230 1 x M.2 2230 | 1 x M.2 2280/2242 1 x M.2 2230 |
| Audio | Audio Interface | HD Audio | HD Audio | HD Audio | HD 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 |
| | WiFi& Bluetooth | Optional | Optional | Optional | Optional |
| Display | Size/Type | 18.5" TFT LCD | 18.5" TFT LCD | 18.5" TFT LCD | 18.5" TFT LCD |
| | Max. Resolution | 1366 x 768 (HD) 1920 x 1080 (FHD, Optional) | 1366 x 768 (HD) 1920 x 1080 (FHD, Optional) | 1366 x 768 (HD) 1920 x 1080 (FHD, Optional) | 1366 x 768 (HD) 1920 x 1080 (FHD, Optional) |
| | Brightness | 250 cd/m² (HD) 350 cd/m² (FHD) | 250 cd/m² (HD) 350 cd/m² (FHD) | 250 cd/m² (HD) 350 cd/m² (FHD) | 250 cd/m² (HD) 350 cd/m² (FHD) |
| | Viewing Angel | 170°/160° | 170°/160° | 170°/160° | 170°/160° |
| | Touch Screen | P-CAP / Resistive / Glass | P-CAP / Resistive | P-CAP / Resistive | P-CAP / Resistive |
| 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-232/485 |
| | USB | 5 x USB 2.0 1 x USB 3.0 | 2 x USB 2.0 4 x USB 3.0 | 2 x USB 2.0 4 x USB 3.0 | 6 x USB 3.1 4 x USB 3.2 |
| | Graphic Output | 1 x HDMI | 1 x HDMI | 1 x HDMI | 1 x HDMI |
| | Audio Port | 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 | 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 | DC Input Rating | 12V / 7A (12~30V optional) | 12~30V / 7A-3A | 12V / 7A (12~30V optional) | 12~30V / 7A-3A |
| | Power Adapter | 84W/96W ITE Adapter | 84W/96W ITE Adapter | 84W/96W ITE Adapter | 84W/96W ITE Adapter |
| | PoE | N/A | N/A | N/A | N/A |
| | Power Consumption | Typical 32W Max. 70W | Typical 32W Max. 70W | 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) | 0 ~ 40 °C (32 ~ 104 °F) |
| | Storage Temperature | -40 ~ 60 °C (-40 ~ 140 °F) | -40 ~ 60 °C (-40 ~ 140 °F) | -40 ~ 60 °C (-40 ~ 140 °F) | -40 ~ 60 °C (-40 ~ 140 °F) |
| | Relative Humidity | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C |
| | Vibration Resistance | 0.5G | 0.5G | 0.5G | 0.5G |
| | Shock Protection | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) |
| | Front Panel Protection | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant |
| | EMC | CE, FCC, UL, CCC, CB, BSMI | CE, FCC, UL, CCC, CB, BSMI | CE, FCC, UL, CCC, CB, BSMI | CE, FCC, UL, CCC, CB, BSMI |
| | Construction | Plastic | Plastic | Plastic | Plastic |
| Mechanical | Mounting | VESA 100 x 100 mm | VESA 100 x 100 mm | VESA 100 x 100 mm | VESA 100 x 100 mm |
| | Dimensions (W x H x D) | 475 x 295 x 43.5 mm | 475 x 295 x 43.5 mm | 475 x 295 x 43.5 mm | 475 x 295 x 43.5 mm |
| | Weight | 5 kg | 5 kg | 5 kg | 5 kg |
| | OS Support | WES 7P 32-bit WES 7E 32-bit Windows Pro Embedded 7 SP1 64-bit WE8S 64-bit Windows Embedded 8.1 Industry Pro 64-bit Win 10 IoT Enterprise 64-bit | WES 7P 32-bit WES 7E 32-bit Windows Pro Embedded 7 SP1 64-bit WE8S 64-bit Windows Embedded 8.1 Industry Pro 64-bit Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit |
| Android | Android 6.0 | N/A | Android 10.0 | NA | NA |
| Linux | Linux | Linux | Linux | Linux | Linux |



| Model Name | UTC-320D | UTC-320F | UTC-320G | UTC-320H | UTC-320I |
|---------------------|---|---|---|---|---|
| System | Intel® Celeron® J1900 | Intel® Core™ i5-6300U (Default) Intel® Core™ i3-6100U | Intel® Pentium® N4200E Intel® Celeron® N3350 | Intel® Core™ i5-8365UE (Default) Intel® Core™ i3-8145UE | Intel® Core™ i5-1145G7E (Default) Intel® Core™ i3-1115G4E |
| | 4 cores | 2 cores | 4 cores | 4 cores | 4 cores |
| | 2.0 GHz | 2.4 GHz | 1.10 GHz | 1.6 GHz | 1.5 GHz |
| | 2 MB | 3 MB | 2 MB | 3 MB | 8 MB |
| | N/A | TPM 2.0 | TPM 2.0 (Optional) | TPM 2.0 | TPM 2.0 |
| Memory | DDR3L 1333 MHz | DDR4 2133 MHz | DDR3L 1866 MHz | DDR4 2400 MHz | DDR4 3200 MHz |
| | 8 GB | 16 GB | 8 GB | 32 GB | 32 GB |
| | 1 x 204-pin SO-DIMM | 1 x 260-pin SO-DIMM | 1 x 204-pin SO-DIMM | 1 x 260-pin SO-DIMM | 1 x 260-pin SO-DIMM |
| Storage | 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 Full-size mSATA | 1 x Full-size mSATA | 1 x mSATA | N/A | N/A |
| Expansion Interface | 1 x Full-size Mini PCIe | 1 x Full-size Mini PCIe | N/A | N/A | N/A |
| | N/A | N/A | 1 x M.2 2230 | 1 x M.2 2280/2242 1 x M.2 2230 | 1 x M.2 2280/2242 1 x M.2 2230 |
| Audio | HD Audio | HD Audio | HD Audio | HD Audio | HD Audio |
| | 2W speaker x 2 | 2W speaker x 2 | 2W speaker x 2 | 2W speaker x 2 | 2W speaker x 2 |
| Network | Yes | Yes | Yes | Yes | Yes |
| | Optional | Optional | Optional | Optional | Optional |
| Display | 21.5" TFT LCD | 21.5" TFT LCD | 21.5" TFT LCD | 21.5" TFT LCD | 21.5" TFT LCD |
| | 1920 x 1080 (FHD) | 1920 x 1080 (FHD) | 1920 x 1080 (FHD) | 1920 x 1080 (FHD) | 1920 x 1080 (FHD) |
| | 250 cd/m² | 250 cd/m² | 250 cd/m² | 250 cd/m² | 250 cd/m² |
| | 178°/178° | 178°/178° | 178°/178° | 178°/178° | 178°/178° |
| | P-CAP / Resistive | P-CAP / Resistive | P-CAP / Resistive | P-CAP / Resistive | P-CAP / Resistive |
| External I/O | 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-232/485 | COM1: RS-232 COM2: RS-232/485 |
| | 5 x USB 2.0 1 x USB 3.0 | 2 x USB 2.0 4 x USB 3.0 | 2 x USB 2.0 4 x USB 3.0 | 6 x USB 3.1 | 2 x USB 2.0 4 x USB 3.2 |
| | 1 x HDMI | 1 x HDMI | 1 x HDMI | 1 x HDMI, 1 x DP | 1 x HDMI |
| | 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 | 1 x Line-out 1 x Mic-in |
| | 2 x Gigabit Ethernet | 2 x Gigabit Ethernet | 2 x Gigabit Ethernet | 2 x Gigabit Ethernet | 2 x Gigabit Ethernet |
| Power | DC Power Jack | DC Power Jack | DC Power Jack | DC Power Jack | DC Power Jack |
| | 12V/7A (12~30V optional) | 12~30V/7A | 12V/7A (12~30V optional) | 12~30V/7A | 12~30V/7A |
| | 84W/96W ITE Adapter | 84W/96W ITE Adapter | 84W/96W ITE Adapter | 84W/96W ITE Adapter | 84W/96W ITE Adapter |
| | N/A | N/A | N/A | N/A | N/A |
| Power Consumption | Typical 45W Max. 80W | Typical 45W Max. 80W | Typical 45W Max. 80W | Typical 45W Max. 80W | Typical 32W Max. 80W |
| | | | | | |
| Environment | 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) |
| | -40 ~ 60 °C (-40 ~ 140 °F) | -40 ~ 60 °C (-40 ~ 140 °F) | -40 ~ 60 °C (-40 ~ 140 °F) | -40 ~ 60 °C (-40 ~ 140 °F) | -40 ~ 60 °C (-40 ~ 140 °F) |
| | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C |
| | 0.5G | 0.5G | 0.5G | 0.5G | 0.5G |
| | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) |
| | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant |
| | CE, FCC, UL, CCC, CB, BSMI | CE, FCC, UL, CCC, CB, BSMI | CE, FCC, UL, CCC, CB, BSMI | CE, FCC, UL, CCC, CB, BSMI | CE, FCC, UL, CCC, CB, BSMI |
| Mechanical | Plastic | Plastic | Plastic | Plastic | Plastic |
| | 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 |
| | 520.2 x 316.1 x 45.9 mm | 520.2 x 316.1 x 45.9 mm | 520.2 x 316.1 x 45.9 mm | 520.2 x 316.1 x 45.9 mm | 520.2 x 316.1 x 45.9 mm |
| | 6.5 kg | 6.5 kg | 6.5 kg | 6.5 kg | 6.5 kg |
| OS Support | WES 7P 32-bit WES 7E 32-bit Windows Pro Embedded 7 SP1 64-bit WE8S 64-bit Windows Embedded 8.1 Industry Pro 64-bit Win 10 IoT Enterprise 64-bit | WES 7P 32-bit WES 7E 32-bit Windows Pro Embedded 7 SP1 64-bit WE8S 64-bit Windows Embedded 8.1 Industry Pro 64-bit Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit |
| | Android 6.0 | N/A | Android 10.0 | N/A | N/A |
| | Linux | Linux | Linux | Linux | Linux |
| | | | | | |



| Model Name | | UTC-510D | UTC-510D (PoE) | UTC-510G |
|---------------------|---------------------------|--|--|---|
| System | CPU | Intel® Celeron® J1900 | Intel® Celeron® J1900 | Intel® Celeron® N3350 / Intel® Pentium® N4200 |
| | Core Number | 4 cores | 4 cores | 4 cores |
| | Frequency | 2.0 GHz | 2.0 GHz | 1.10 GHz |
| | Cache | 2 MB | 2 MB | 2 MB |
| Memory | TPM | N/A | N/A | N/A |
| | Technology | DDR3L 1333 MHz | DDR3L 1333 MHz | DDR3L 1866 MHz |
| | Max. Capacity | 8 GB | 8 GB | 8 GB |
| Storage | Socket | 1 x 204-pin SO-DIMM | 1 x 204-pin SO-DIMM | 1 x 204-pin SO-DIMM |
| | SATA | 1 x 2.5" SATA drive bay | 1 x 2.5" SATA drive bay | 1 x 2.5" SATA drive bay |
| | mSATA | 1 x Half-size mSATA | 1 Full-size mSATA | 1 x Half-size mSATA |
| Expansion Interface | Mini PCIe | 1 x Half-size Mini PCIe | 1 x Half-size Mini PCIe | 1 x Full-size Mini PCIe |
| | M.2 | N/A | N/A | N/A |
| Audio | Audio Interface | HD Audio | HD Audio | HD Audio |
| | Stereo Speaker | 2W speaker x 1 | 2W speaker x 2 | 2W speaker x 1 |
| Network | Wake on LAN | Yes | Yes | Yes |
| | WiFi& Bluetooth | Optional | Optional | Optional |
| Display | Size/Type | 10.1" TFT LCD | 10.1" TFT LCD | 10.1" TFT LCD |
| | Max. Resolution | 1280 x 800 | 1280 x 800 | 1280 x 800 |
| | Brightness | 350 cd/m² | 350 cd/m² | 350 cd/m² |
| | Viewing Angel | 170°/170° | 170°/170° | 170°/170° |
| External I/O | Touch Screen | P-CAP | P-CAP | P-CAP |
| | 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 |
| | USB | 1 x USB 2.0 (Optional with 2) 1 x USB 3.0 | 3 x USB 2.0 1 x USB 3.0 | 2 x USB 2.0 (Optional) 2 x USB 3.0 |
| | Graphic Output | 1 x VGA | 1 x HDMI | 1 x VGA |
| | Audio Port | 1 x Line-out 1 x Mic-in | 1 x Headphone with Mic | 1 x Line-out 1 x Mic-in |
| | RJ-45 Ethernet | 1 x Gigabit Ethernet | 2 x Gigabit Ethernet (1 with PoE) | 1 x Gigabit Ethernet |
| Power | DC In | DC Power Jack | DC Power Jack | DC Power Jack |
| | DC Input Rating | 12V/3A | 12~24V/3A (Optional) | 12V/3A |
| | Power Adapter | 36W ITE Adapter | N/A | 36W ITE Adapter |
| | PoE | N/A | IEEE 802.3at / 30W | IEEE 802.3at / 30W (Optional) |
| Environment | Power Consumption | Typical 10W Max. 20W | Typical 10W Max. 20W | Typical 10W Max. 20W |
| | Operating Temperature | 0 ~ 40 °C (32 ~ 104 °F) | 0 ~ 40 °C (32 ~ 104 °F) | 0 ~ 40 °C (32 ~ 104 °F) |
| | Non-operating Temperature | -10 ~ 50 °C | -10 ~ 50 °C | -10 ~ 50 °C |
| | Relative Humidity | 10 ~ 90% @ 40 °C | 10 ~ 90% @ 40 °C | 10 ~ 90% @ 40 °C |
| | Vibration Resistance | 1G | 1G | 1G |
| | Shock Protection | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) |
| | Front Panel Protection | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant |
| | EMC | CE, FCC, CB, UL, CCC, BSMI | CE, FCC, CB, UL, CCC, BSMI | CE, FCC, CB, UL, CCC, BSMI |
| Mechanical | Construction | Iron / Plastic | Iron / Plastic | Iron / Plastic |
| | Mounting | VESA 75 x 75 mm | VESA 75 x 75 mm | VESA 75 x 75 mm |
| | Dimensions (W x H x D) | 265.40 x 182.40 x 39.55 mm | 265.40 x 182.40 x 39.55 mm | 265.40 x 182.40 x 39.55 mm |
| | Weight | 1.80 kg (3.97 lb) | 1.80 kg (3.97 lb) | 1.80 kg (3.97 lb) |
| OS Support | Windows | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit |
| | Android | Android 6.0 | Android 6.0 | Android 10 |
| | Linux | Linux | Linux | Linux |



| Model Name | UTC-515F | UTC-515G | UTC-515H | UTC-515I | UTC-515J |
|-------------|--|--|---|--|---|
| System | Intel® Core™ i3-6100U (Default) Intel® Core™ i5-6300U Intel® Core™ i7-6600U | Pentium® N4200 | Intel® Core™ i3-8145UE (Default) Intel® Core™ i5-8365UE Intel® Core™ i7-8665UE | Intel® Core™ i3-1115G4E Intel® Core™ i5-1145G7E (Default) Intel® Core™ i7-1185GRE | Intel® Celeron® J6412 (Default) Intel® Celeron® N6210 Intel Atom® x6425E |
| | 2 cores | 4 cores | 2 cores | 4 cores | 4 cores |
| | 2.3 GHz (i3-6100U) | 1.10 GHz | 2.20 GHz (i3-8145UE) | 1.50 GHz (i5-1145G7E) | 2.0 GHz |
| | 3 MB | 2 MB | 4 MB | 8 MB | 1.5 MB |
| TPM | TPM 2.0 (Optional) | TPM 2.0 (Optional) | TPM 2.0 | TPM 2.0 | TPM 2.0 |
| Memory | Technology | DDR3L 1600 MHz | DDR3L 1866 MHz | DDR4 2400 MHz | DDR4 3200 MHz |
| | Max. Capacity | 16 GB | 8 GB | 32GB | 64 GB |
| | Socket | 2 x 204-pin SO-DIMM | 1 x 204-pin SO-DIMM | 2 x 204-pin SO-DIMM | 2 x 260-pin SO-DIMM |
| 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 | 1 x Full-size mSATA | 1 x Full-size mSATA | N/A | N/A |
| Interface | Mini PCIe | 1 x Full-size Mini PCIe | 1 x Full-size Mini PCIe | N/A | N/A |
| | M.2 | N/A | 1 x M.2 2230 | 1 x M.2 2230 1 x M.2 2280 NVMe / M.2 3042 | 1 x M.2 2230 1 x M.2 2242 |
| Audio | Audio Interface | HD Audio | HD Audio | HD Audio | HD Audio |
| | Stereo Speaker | 1W speaker x 2 | 1W speaker x 2 | 1W speaker x 2 | 2W speaker x 2 |
| Network | Wake on LAN | Yes | Yes | Yes | Yes |
| | WiFi& Bluetooth | Optional | Optional | Optional | Optional |
| Display | Size/Type | 15.6" TFT LCD | 15.6" TFT LCD | 15.6" TFT LCD | 15.6" TFT LCD |
| | Max. Resolution | 1366 x 768 (HD) 1920 x 1080 (FHD, Optional) | 1366 x 768 (HD) 1920 x 1080 (FHD, Optional) | 1366 x 768 (HD) 1920 x 1080 (FHD, Optional) | 1366 x 768 (HD) 1920 x 1080 (FHD, Optional) |
| | Brightness | 400 cd/m² | 400 cd/m² | 400 cd/m² | 400 cd/m² |
| | Viewing Angel | 170°/160° | 170°/160° | 170°/160° | 170°/160° |
| External IO | Touch Screen | P-CAP / Resistive | P-CAP / Resistive | P-CAP / Resistive | P-CAP / Resistive |
| | COM | 2 x COM: RS-232/422/485 | 2 x COM: RS-232/422/485 | 2 x COM: RS-232/422/485 | 2 x COM 232/422/485 |
| | USB | 2 x USB 2.0 2 x USB 3.0 | 2 x USB 2.0 2 x USB 3.0 | 4 x USB 3.1 | 1 x USB 3.2 Type-C 4 x USB 3.2 |
| | Graphic Output | 1 x HDMI / 1 x VGA | 1 x HDMI / 1 x VGA | 1 x HDMI | 1 x HDMI / 1 x DP |
| | Audio Port | 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 | 2 x Gigabit Ethernet | 2 x Gigabit Ethernet | 2 x Gigabit Ethernet | 2 x Gigabit Ethernet |
| Power | DC In | DC Power Jack | DC Power Jack | DC Power Jack | DC Power Jack |
| | DC Input Rating | 12V/5A | 12V/5A | 12~24V/7A | 12V/5A |
| | Power Adapter | 60W ITE Adapter | 60W ITE Adapter | 84W ITE Adapter | 60W ITE Adapter |
| | PoE | N/A | N/A | N/A | N/A |
| Environment | Power Consumption | Typical 40W Max. 50W | Typical 35W Max. 40W | Typical 40W Max. 50W | Typical 40W Max. 55W |
| | 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) |
| | Non-operating Temperature | -10 ~ 50 °C | -10 ~ 50 °C | -10 ~ 50 °C | -10 ~ 50 °C |
| | Relative Humidity | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C |
| | Vibration Resistance | 0.5G | 0.5G | 0.5G | 0.5G |
| | Shock Protection | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) |
| | Front Panel Protection | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant |
| | EMC | CE, FCC, CB, UL, CCC, BSMI | CE, FCC, CB, UL, CCC, BSMI | CE, FCC, CB, UL, CCC, BSMI | EN IEC 61000-6-2:2019 FCC, CB, UL, CCC, BSMI |
| Mechanical | Construction | Iron / Aluminum | Iron / Aluminum | Iron / Aluminum | Iron / Aluminum |
| | Mounting | VESA 100 x 100 mm | VESA 100 x 100 mm | VESA 100 x 100 mm | VESA 100 x 100 mm |
| | Dimensions (W x H x D) | 389.81 x 240.12 x 45.20 mm | 389.81 x 240.12 x 45.20 mm | 389.81 x 240.12 x 45.20 mm | 389.81 x 240.12 x 45.20 mm |
| | Weight | 4.85 kg (10.67 lb) | 4.85 kg (10.67 lb) | 4.85 kg (10.67 lb) | 4.85 kg (10.67 lb) |
| Support | OS | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit |
| | Android | N/A | Android 10.0 | N/A | Android 10.0 |
| | Linux | Linux | Linux | Linux | Linux |



| | UTC-520F | UTC-520G | UTC-520H | UTC-520I | UTC-520J | UTC-532F | UTC-532G |
|--------------|---|--|--|--|---|--|--|
| System | Intel® Core™ i3-6100U Intel® Core™ i5-6300U (Default) Intel® Core™ i7-6600U | Pentium® N4200 | Intel® Core™ i3-8145UE Intel® Core™ i5-8365UE (Default) Intel® Core™ i7-8665UE | Core™ i3-1115G4E Core™ i5-1145G7E (Default) Core™ i7-1185GRE | Intel® Celeron® J6412 (Default) Intel® Celeron® N6210 Intel® Atom® x6425E | Intel® Core™ i3-6100U Intel® Core™ i5-6300U (Default) Intel® Core™ i7-6600U" | Intel® Pentium® N4200E |
| | 2 Cores | 4 Cores | 4 Cores | 4 Cores | 4 Cores | 2 Cores | 4 Cores |
| | 2.4 GHz (i5-6300U) | 1.10 GHz | 1.6 GHz (i5-8365UE) | 1.5 GHz (i5-1145G7E) | 2.0 GHz | 2.4 GHz (i5-6300U) | 1.10 GHz |
| | 3 MB | 2 MB | 6 MB | 8 MB | 1.5 MB | 3 MB | 2 MB |
| TPM | TPM 2.0 (Optional) | TPM 2.0 (Optional) | TPM 2.0 | TPM 2.0 | TPM 2.0 | TPM 2.0 (Optional) | TPM 2.0 (Optional) |
| Memory | Technology | DDR3L 1600 MHz | DDR3L 1866 MHz | DDR4 2400 MHz | DDR4 3200 MHz | DDR4-3200 SDRAM | DDR3L 1600 MHz |
| | Max. Capacity | 16 GB | 8 GB | 32 GB | 64 GB | 32 GB | 16 GB |
| | Socket | 2 x 204-pin SO-DIMM | 1 x 204-pin SO-DIMM | 2 x 204-pin SO-DIMM | 2 x 260-pin SO-DIMM | 1 x 260-pin SO-DIMM | 2 x 204-pin SO-DIMM |
| 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 | 1 x Full-size mSATA | 1 x Full-size mSATA | N/A | N/A | N/A | 1 x Full-size mSATA |
| Interface | Mini PCIe | 1 x Full-size Mini PCIe | 1 x Full-size Mini PCIe | N/A | N/A | N/A | 1 x Full-size Mini PCIe |
| | M.2 | N/A | 1 x M.2 2230 | 1 x M.2 2230 / M.2 3042 | 1 x M.2 2230 / M.2 3042 | N/A | 1 x M.2 2230 |
| Audio | Audio Interface | HD Audio | HD Audio | HD Audio | HD Audio | HD Audio | HD Audio |
| | Stereo Speaker | 3W speaker x 2 | 3W speaker x 2 | 3W speaker x 2 | 3W speaker x 2 | 2W speaker x 2 | 3W speaker x 2 |
| Network | Wake on LAN | Yes | Yes | Yes | Yes | Yes | Yes |
| | WiFi& Bluetooth | Optional | Optional | Optional | Optional | Optional | Optional |
| Display | Size/Type | 21.5" TFT LCD | 21.5" TFT LCD | 21.5" TFT LCD | 21.5" TFT LCD | 21.5" TFT LCD | 31.5" TFT LCD |
| | Max. Resolution | 1920 x 1080 (FHD) | 1920 x 1080 (FHD) | 1920 x 1080 (FHD) | 1920 x 1080 (FHD) | 1920 x 1080 (FHD) | 1920 x 1080 (FHD) |
| | Brightness | 250 cd/m² 400 cd/m² (Optional) | 250 cd/m² 400 cd/m² (Optional) | 250 cd/m² 400 cd/m² (Optional) | 250 cd/m² 400 cd/m² (Optional) | 250 cd/m² 400 cd/m² (Optional) | 300 cd/m² 300 cd/m² |
| | Viewing Angel | 178°/178° | 178°/178° | 178°/178° | 178°/178° | 178°/178° | 178°/178° |
| | Touch Screen | P-CAP / Resistive | P-CAP / Resistive | P-CAP / Resistive | P-CAP / Resistive | P-CAP / Resistive | P-CAP |
| External I/O | COM | 2 x COM 232/422/485 | 2 x COM 232/422/485 | 2 x COM 232/422/485 | 2 x COM 232/422/485 | 2 x COM 232/422/485 | 2 x COM 232/422/485 |
| | USB | 2 x USB 2.0 2 x USB 3.0 | 2 x USB 2.0 2 x USB 3.0 | 4 x USB 3.1 | 1 x USB 3.2 Type-C 4 x USB 3.2 | 4 x USB 3.2 | 2 x USB 2.0 2 x USB 3.0 |
| | Graphic Output | 1 x HDMI / 1 x VGA | 1 x HDMI / 1 x VGA | 1 x HDMI | 1 x HDMI / 1 x DP | 1 x HDMI / 1 x DP | 1 x HDMI / 1 x VGA |
| | Audio Port | 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 | 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 | AC Power | AC Power |
| Power | DC Input Rating | 12V / 7A | 12-24V / 7A | 12-24V / 7A | 12-24V / 7A | 100-240 VAC ~ 50/60Hz 2.5A | 100-240 VAC ~ 50/60Hz 2.5A |
| | Power Adapter | 84W ITE Adapter | 84W ITE Adapter | 84W ITE Adapter | 84W ITE Adapter | N/A | N/A |
| | PoE | N/A | N/A | N/A | N/A | N/A | N/A |
| | Power Consumption | Typical 45W Max 65W | Typical 40W Max 50W | Typical 40W Max 50W | Typical 40W Max 50W | Typical 45W Max. 55W | Max. 100W |
| 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) |
| | Non-operating Temperature | -10 ~ 50 °C | -10 ~ 50 °C | -10 ~ 50 °C | -10 ~ 50 °C | -10 ~ 50 °C | -10 ~ 50 °C |
| | Relative Humidity | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C |
| | Vibration Resistance | 0.5G | 0.5G | 0.5G | 0.5G | 0.5G | 0.5G |
| | Shock Protection | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) |
| | Front Panel Protection | IP 65/ NEMA4 Compliant | IP 65/ NEMA4 Compliant | IP 65/ NEMA4 Compliant | IP 65/ NEMA4 Compliant | IP 65/ NEMA4 Compliant | IP 65/ NEMA4 Compliant |
| | EMC | CE, FCC, CB, UL, CCC, BSMI | CE, FCC, CB, UL, CCC, BSMI | CE, FCC, CB, UL, CCC, BSMI | CE, FCC, CB, UL, CCC, BSMI | CE, FCC, UL, CB, CCC, BSMI | CE, FCC, UL, CB, CCC, BSMI |
| Mechanical | Construction | Iron / Aluminum | Iron / Aluminum | Iron / Aluminum | Iron / Aluminum | Iron / Aluminum | Iron / Aluminum |
| | Mounting | VESA 100 x 100 mm | VESA 100 x 100 mm | VESA 100 x 100 mm | VESA 100 x 100 mm | VESA 200 x 200 mm | VESA 200 x 200 mm |
| | Dimensions (W x H x D) | 517.64 x 313.51 x 43.50 mm | 517.64 x 313.51 x 43.50 mm | 517.64 x 313.51 x 43.50 mm | 517.64 x 313.51 x 43.50 mm | 764.50 x 459 x 62.50 mm | 764.50 x 459 x 62.50 mm |
| | Weight | 8 kg (17.6 lb) | 8 kg (17.6 lb) | 8 kg (17.6 lb) | 8 kg (17.6 lb) | 18 kg (39.6 lb) | 18 kg (39.6 lb) |
| OS Support | Windows | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit |
| | Android | N/A | Android 10.0 | N/A | Android 10.0 | N/A | Android 10.0 |
| | Linux | Linux | Linux | Linux | Linux | Linux | Linux |

UTC

Product Selection Guide



| Model Name | UTC-532I | UTC-532J | UTC-542F | UTC-542G | UTC-542I | UTC-542J |
|------------------------|---|---|---|--|--|---|
| System | Intel® Core™ i3-1115G4E Intel® Core™ i5-1145G7E (Default) Intel® Core™ i7-1185GRE | Intel® Atom® x6425E Intel® Celeron® J6412 (Default) Intel® Celeron® N6210 | Intel® Core™ i3-6100U Intel® Core™ i5-6300U (Default) Intel® Core™ i7-6600U | Intel® Pentium® N4200E | Core™ i3-1115G4E Core™ i5-1145G7E (Default) Core™ i7-1185GRE | Intel® Atom® x6425E Intel® Celeron® J6412 (Default) Intel® Celeron® N6210 |
| | 4 Cores | 4 Cores | 2 Cores | 4 Cores | 4 Cores | 4 Cores |
| | 1.5 GHz (i5-1145G7E) | 2.0 GHz | 2.4 GHz (i5-6300U) | 1.10 GHz | 1.5 GHz (i5-1145G7E) | 2.0 GHz |
| | 8 MB | 1.5 MB | 3 MB | 2 MB | 8 MB | 1.5 MB |
| TPM | TPM 2.0 | TPM 2.0 | TPM 2.0 (Optional) | TPM 2.0 (Optional) | TPM 2.0 | TPM 2.0 |
| Memory | DDR4 3200 MHz | DDR4 3200 SDRAM | DDR3L 1600 MHz | DDR3L 1866 MHz | DDR4 3200 MHz | DDR4 3200 SDRAM |
| | 64 GB | 32 GB | 16 GB | 8 GB | 64 GB | 32 GB |
| | 2 x 260-pin SO-DIMM | 1 x 260-pin SO-DIMM | 2 x 204-pin SO-DIMM | 1 x 204-pin SO-DIMM | 2 x 260-pin SO-DIMM | 1 x 260-pin SO-DIMM |
| Storage | SATA | 1 x 2.5" SATA drive bay 1 x 2.5" SATA drive bay | 2 x 2.5" SATA drive bay (RAID 0/1 support) | 2 x 2.5" SATA drive bay (RAID 0/1 support) | 1 x 2.5" SATA drive bay | 1 x 2.5" SATA drive bay |
| | mSATA | N/A | 1 x Full-size mSATA | 1 x Full-size mSATA | N/A | N/A |
| Expansion Interface | Mini PCIe | N/A | N/A | 1 x Full-size Mini PCIe | 1 x Full-size Mini PCIe | N/A |
| | M.2 | 1 x M.2 2230 1 x M.2 2280 NVMe) / M.2 3042 | 1 x M.2 2230 1 x M.2 2242 | N/A | 1 x M.2 2230 1 x M.2 2280 NVMe) / M.2 3042 | 1 x M.2 2230 1 x M.2 2242 |
| | Audio Interface | HD Audio | HD Audio | HD Audio | HD Audio | HD Audio |
| Audio | Stereo Speaker | 10W speaker x 2 | 10W speaker x 2 | 10W speaker x 2 | 10W speaker x 2 | 10W speaker x 2 |
| | Wake on LAN | Yes | Yes | Yes | Yes | Yes |
| Network | WiFi& Bluetooth | Optional | Optional | Optional | Optional | Optional |
| | Size/Type | 31.5" TFT LCD | 31.5" TFT LCD | 41.5" TFT LCD | 41.5" TFT LCD | 41.5" TFT LCD |
| Display | Max. Resolution | 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 | 450 cd/m² | 450 cd/m² | 450 cd/m² |
| | Viewing Angel | 178°/178° | 178°/178° | 178°/178° | 178°/178° | 178°/178° |
| External I/O | Touch Screen | P-CAP | P-CAP | P-CAP / Mirror P-Cap / Mirror Glass | P-CAP / Mirror P-Cap / Mirror Glass | P-CAP / Mirror P-Cap / Mirror Glass |
| | COM | 2 x COM 232/422/485 | 2 x COM 232/422/485 | 2 x COM 232/422/485 | 2 x COM 232/422/485 | 2 x COM 232/422/485 |
| | USB | 1 x USB 3.2 Type-C 4 x USB 3.2 | 2 x USB 2.0 2 x USB 3.0 | 2 x USB 2.0 2 x USB 3.0 | 1 x USB 3.2 Type-C 4 x USB 3.2 | 4 x USB 3.2 |
| Graphic Output | HDMI | 1 x HDMI / 1 x DP | 1 x HDMI / 1 x DP | 1 x HDMI / 1 x VGA | 1 x HDMI / 1 x DP | 1 x HDMI / 1 x DP |
| | Audio Port | 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 | 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 |
| Power | DC In | AC Power | AC Power | AC Power | AC Power | AC Power |
| | DC Input Rating | 100-240 VAC ~ 50/60Hz 2.5A | 100-240 VAC ~ 50/60Hz 2.5A | 100-240 VAC ~ 50/60Hz 3.7A | 100-240 VAC ~ 50/60Hz 3.7A | 100-240 VAC ~ 50/60Hz 3.7A |
| | Power Adapter | N/A | N/A | N/A | N/A | N/A |
| PoE | N/A | N/A | N/A | N/A | N/A | N/A |
| | Power Consumption | Max. 100W | Max. 100W | Max. 100W | Max. 100W | Max. 100W |
| | Max. 100W | Max. 100W | Max. 100W | Max. 100W | Max. 100W | Max. 100W |
| 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) |
| | Non-operating Temperature | -10 ~ 50 °C | -10 ~ 50 °C | -10 ~ 50 °C | -10 ~ 50 °C | -10 ~ 50 °C |
| | Relative Humidity | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C |
| Vibration Resistance | 0.5G | 0.5G | 0.5G | 0.5G | 0.5G | 0.5G |
| | Shock Protection | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) |
| | Front Panel Protection | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant | IP65 / NEMA4 Compliant |
| Mechanical | EMC | CE, FCC, CB, UL, CCC, BSMI | CE, FCC, CB, UL, CCC, BSMI | CE, FCC, UL, CB, CCC, BSMI | CE, FCC, UL, CB, CCC, BSMI | CE, FCC, CB, UL, CCC, BSMI |
| | Construction | Iron / Aluminum | Iron / Aluminum | Iron / Aluminum | Iron / Aluminum | Iron / Aluminum |
| | Mounting | VESA 200 x 200 mm | VESA 200 x 200 mm | VESA 200 x 200 mm | VESA 200 x 200 mm | VESA 200 x 200 mm |
| Dimensions (W x H x D) | Dimensions (W x H x D) | 764.9 x 459.35 x 57.9mm | 764.9 x 459.35 x 57.9mm | 990.6 x 578.8 x 60.2mm (Mirror Glass) | 990.6 x 578.8 x 60.2mm (Mirror Glass) | 990.6 x 578.8 x 60.2mm (Mirror Glass) |
| | Weight | 18 kg (39.6 lb) | 18 kg (39.6 lb) | 24.6 kg (54.23 lb) | 24.6 kg (54.23 lb) | 24.6 kg (54.23 lb) |
| | Weight | 18 kg (39.6 lb) | 18 kg (39.6 lb) | 24.6 kg (54.23 lb) | 24.6 kg (54.23 lb) | 24.6 kg (54.23 lb) |
| OS Support | Windows | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit |
| | Android | N/A | Android 10.0 | N/A | Android 10.0 | Android 10.0 |
| | Linux | Linux | Linux | Linux | Linux | Linux |



| Model Name | UTC-515IT | UTC-515JT | UTC-520FT | UTC-520GT | UTC-520IT | UTC-520JT |
|--------------|--|--|--|--|--|--|
| System | Core™ i3-1115G4E (Available) Core™ i5-1145G7E (Default) Core™ i7-1185GRE (Available) | Intel® Celeron® J6412 (Default) Intel® Celeron® N6210 Intel Atom® x6425E | Core™ i3-6100U (Available) Core™ i5-6300U (Default) Core™ i7-6600U (Available) | Pentium® N4200 | Core™ i3-1115G4E (Available) Core™ i5-1145G7E (Default) Core™ i7-1185GRE (Available) | Intel® Celeron® J6412 (Default) Intel® Celeron® N6210 Intel Atom® x6425E |
| | Core Number | 4 | 4 | 2 | 4 | 4 |
| | Frequency | 1.5 GHz (i5-1145G7E) | 2.0 GHz | 2.4 GHz (i5-6300U) | 1.10 GHz | 1.5 GHz (i5-1145G7E) |
| | Cache | 8 MB | 1.5 MB | 3 MB | 2 MB | 8 MB |
| | TPM | TPM 2.0 | TPM 2.0 | TPM 2.0 (Optional) | TPM 2.0 (Optional) | TPM 2.0 |
| | Technology | DDR4 3200 MHz | DDR4-3200 SDRAM | DDR3L 1600 MHz | DDR3L 1866MHz | DDR4 3200 MHz |
| Memory | Max. Capacity | 64 GB | 32GB | 16 GB | 8 GB | 64 GB |
| | Socket | 2 x 260-pin SO-DIMM | 1 x 260-pin SO-DIMM | 2 x 204-pin SO-DIMM | 1 x 204-pin SO-DIMM | 2 x 260-pin SO-DIMM |
| 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 | 1 x Full-size mSATA | 1 x Full-size mSATA | N/A |
| Interface | Mini PCIe | N/A | N/A | 1 x Full-size Mini PCIe | 1 x Full-size Mini PCIe | N/A |
| | M.2 | 1 x M.2 2230 1 x M.2 2280 / M.2 3042 | 1 x M.2 2230 1 x M.2 2242 | N/A | 1 x M.2 2230 1 x M.2 2280 / M.2 3042 | 1 x M.2 2230 1 x M.2 2242 |
| Audio | Audio Interface | HD Audio | HD Audio | HD Audio | HD Audio | HD Audio |
| | Stereo Speaker | 3W speaker x 2 | 3W speaker x 2 | 3W speaker x 2 | 3W speaker x 2 | 2W speaker x 2 |
| Network | Wake on LAN | Yes | Yes | Yes | Yes | Yes |
| | WiFi& Bluetooth | Optional | Optional | Optional | Optional | Optional |
| Display | Size/Type | 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 | 1366 x 768 | 1920 x 1080 (FHD) | 1920 x 1080 (FHD) | 1920 x 1080 (FHD) |
| | Brightness | 400 cd/m² | 400 cd/m² | 250 cd/m² 400 cd/m² (Optional) | 250 cd/m² 400 cd/m² (Optional) | 250 cd/m² 400 cd/m² (Optional) |
| | Viewing Angel | 178°/178° | 178°/178° | 178°/178° | 178°/178° | 178°/178° |
| External I/O | Touch Screen | P-CAP / Glass | P-CAP / Glass | P-CAP / Glass | P-CAP / Glass | P-CAP / Glass |
| | COM | 2 x COM 232/422/485 | 2 x COM 232/422/485 | 2 x COM 232/422/485 | 2 x COM 232/422/485 | 2 x COM 232/422/485 |
| | USB | 2 x USB 2.0 1 x USB 3.0 | 2 x USB 2.0 1 x USB 3.0 | 2 x USB 2.0 1 x USB 3.0 | 2 x USB 2.0 1 x USB 3.0 | 2 x USB 2.0 1 x USB 3.0 |
| | Graphic Output | 1 x HDMI / 1 x DP | 1 x HDMI / 1 x DP | 1 x HDMI / 1 x VGA | 1 x HDMI / 1 x VGA | 1 x HDMI / 1 x DP |
| | Audio Port | N/A | 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 |
| Power | DC In | DC Power Jack | DC Power Jack | DC Power Jack | DC Power Jack | DC Power Jack |
| | DC Input Rating | 24V / 5A | 24V / 5A | 24V / 5A | 24V / 5A | 24V / 5A |
| | Power Adapter | 120W ITE Adapter | 120W ITE Adapter | 120W ITE Adapter | 120W ITE Adapter | 120W ITE Adapter |
| | PoE | N/A | N/A | N/A | N/A | N/A |
| Environment | Power Consumption | Typical 50W Max. 65W | Typical 45W Max. 55W | Typical 50W Max. 60W | Typical 45W Max. 50W | Typical 50W Max. 65W |
| | 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) | -10 ~ 50 °C (14 ~ 122 °F) |
| | Non-operating Temperature | -10 ~ 50 °C | -10 ~ 50 °C | -10 ~ 50 °C | -10 ~ 50 °C | -10 ~ 50 °C |
| | Relative Humidity | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C | 10 ~ 95% @ 40 °C |
| | Vibration Resistance | 0.5G | 0.5G | 0.5G | 0.5G | 0.5G |
| | Shock Protection | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) | 10G peak acceleration (11 msec. duration) |
| | Front Panel Protection | IP66 & 69K | IP66 & 69K | IP66 & 69K | IP66 & 69K | IP66 & 69K |
| | EMC | CE, FCC, CB, UL, CCC, BSMI | CE, FCC, CB, UL, CCC, BSMI | CE, FCC, CB, UL, CCC, BSMI | CE, FCC, CB, UL, CCC, BSMI | CE, FCC, CB, UL, CCC, BSMI |
| Mechanical | Construction | 304 Stainless Steel | 304 Stainless Steel | 304 Stainless Steel | 304 Stainless Steel | 304 Stainless Steel |
| | 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 |
| | Dimensions (W x H x D) | 517.64 x 313.51 x 43.50 mm | 517.64 x 313.51 x 43.50 mm | 540 x 336 x 70 mm | 540 x 336 x 70 mm | 540 x 336 x 70 mm |
| | Weight | 5.8 kg (12.7 lb) | 5.8 kg (12.7 lb) | 10.5 kg (23.14 lbs) | 10.5 kg (23.14 lbs) | 10.5 kg (23.14 lbs) |
| OS Support | Windows | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit | Win 10 IoT Enterprise 64-bit |
| | Android | N/A | Android 10.0 | N/A | Android 10.0 | N/A |
| | Linux | Linux | Linux | Linux | Linux | Linux |



| | | ARM | |
|---|-------------------|--|--|
| Model Name | | USC-130 | USC-160 |
| Description | | 11.6" ARM-Based All-in-One Computer | 15.6" ARM-Based All-in-One Computer |
| System | Processor | Rockchip RK3288 quad-core Cortex™-A17 (up to 1.8 GHz) /Rockchip RK3399 dual-core Cortex™-A72 (up to 1.8 GHz)+quad-core Cortex™-A53 (up to 1.4 GHz) | Rockchip RK3288 quad-core Cortex™-A17 (up to 1.8 GHz) /Rockchip RK3399 dual-core Cortex™-A72 (up to 1.8 GHz)+quad-core Cortex™-A53 (up to 1.4 GHz) |
| | Operating System | Android 8.1/10, Linux | Android 8.1/10, Linux |
| Storage | | 1 x onboard eMMC 16 GB(up to 32GB), 1 x micro SD | 1 x onboard eMMC 16 GB(up to 32GB), 1 x micro SD |
| Display | Size | 11.6" TFT HD LCD(1366 x 768), 11.6" TFT FHD LCD(1920 x 1080) | 15.6" TFT HD LCD(1366 x 768), 15.6" TFT FHD LCD(1920 x 1080) |
| | Touchscreen | Projected capacitive (PCAP) | Projected capacitive (PCAP) |
| | Brightness | HD:250 cd/m² | HD:220 cd/m², FHD: 220 &400 cd/m² |
| IO Ports | COM | 1(RS 232/485 by jumper) (max to 2ports, one for RS232 only) | 1(RS 232/485 by jumper) (max to 2ports, one for RS232 only) |
| | USB | RK3288: 2 x USB 2.0 (up to 4); RK3399: 2 x USB 3.0 (up to 4: 2 x USB 2.0 and 2 x USB 3.0) | RK3288: 2 x USB 2.0 (up to 4); RK3399: 2 x USB 3.0 (up to 4: 2 x USB 2.0 and 2 x USB 3.0) |
| | Output | 1 x HDMI | 1 x HDMI |
| | Ethernet | 1 x RJ-45 (supports POE) | 1 x RJ-45 (supports POE) |
| | Cash Drawer | - | - |
| | Audio | 1 x Line-out, 1 x Mic-in | |
| Connectivity | | | - |
| IP Rating | | IP65 (front panel) | IP65 (front panel) |
| Dimensions (W x H x D) | | 296 x 189 x 34.9 mm /11.6 x 7.44 x 1.37 in | 382.63 x 244.11 x 34.9 mm /15.06 x 9.6 x 1.37 in |
| Optional Modules and Accessories | Secondary Display | 11.6" TFT LCD (Avalo stand) | 11.6" TFT LCD (Avalo stand) 15.6" TFT LCD (Avalo stand) |
| | Peripherals | External: MSR, iButton, 1D/2D Barcode scanner Embedded: RFID, camera, Wifi | External: MSR, iButton, 1D/2D Barcode scanner Embedded: RFID, camera, Wifi |
| | Stands | Avalo, Dual hinge, single, Kangaroo | Avalo, Dual hinge, single, Kangaroo |



| | | x86 | x86 | x86 | ARM | | |
|---|-------------------|---|---|---|--|--|--|
| Model Name | | USC-250 | UPOS-211 | USC-365 | USC-360J/USC-360H | USC-360D | |
| Description | | 15" Slim, High-Performance All-in-One Computer | 15" Compact All-in-One POS System | 15.6" Ultra-Slim POS System | 15.6" Versatile POS Terminal | 15.6" Versatile POS Terminal | |
| System | Processor | Intel® Celeron® 3955U/3965U Intel® Core™ i3-6100U/7100U Intel® Core™ i5-6300U/7300U | Intel® Celeron® J1900/3955U Intel® Core™ i3-6100U Intel® Core™ i5-6300U | Intel® Celeron® 6305E Intel® Core™ i3-1115G4E Intel® Core™ i5-1145G7E | Intel® Celeron® J6412/6305E Intel® Core™ i3-1115G4E Intel® Core™ i5-1145G7E | Rockchip RK3568 Quadcore Cortex™-A55 (up to 2.0 GHz) | |
| Operating System | | POSReady 7, Windows 7/8.1/10, Linux | POSReady 7, Windows 7/8.1/10, Linux | Windows 10 | Windows 10/11, Linux | Android 12, Linux | |
| Storage | | 2 x M.2 2242 SSD | 1 x 2.5" SATA HDD/SSD bay/mSATA | 1 x M.2 2280 SSD | 1 x M.2 2280 SSD | 1 x onboard eMMC 16 GB(up to 32GB), 1 x micro SD | |
| Display | Size | 15" TFT LCD (1024 x 768) | 15" TFT LCD (1024 x 768) | 15.6" TFT LCD (1920 x 1080) | 15.6" TFT LCD (1920 x 1080) | 15.6" TFT FHD LCD (1920 x 1080) | |
| Touchscreen | | Projected capacitive (PCAP) | Projected capacitive (PCAP) / 5-wire resistive | Projected capacitive (PCAP) with AG coating | Projected capacitive (PCAP) | Projected capacitive (PCAP) | |
| Brightness | | 300 cd/m² | 300 cd/m² | 300 cd/m² | 220 cd/m² (350 cd/m² Optional) | 220 cd/m² (350 cd/m² optional) | |
| IO Ports | COM | 4 x COM | 2 x COM (up to 5 max.) | 2 x COM RS232 | 4 x COM on extension Hub | 4 x COM on extension Hub | |
| USB | | 4 x USB 3.0, 2 x USB 2.0, 2 x Micro USB | UPOS-211DPX: 4 x USB 2.0, 1 x USB 3.0, 1 x Type C; UPOS-211D/UPOS-211F: 2 x USB 2.0, 1 x USB 3.0, 5 x USB 2.0 (optional) | 2 x USB 3.0 | 3 x USB-C (One for DP, one for DC in, one for IO 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 IO Hub), 2 x USB 3.0, 2 x USB 2.0 (side) | |
| | | | | | | | |
| Output | | 1 x VGA | 1 x VGA/DP | 2 x USB-C | 1 x USB-C | 1 x USB-C | |
| Ethernet | | 2 x RJ-45 | 1 x RJ-45 | 1 x RJ-45 | 1 x RJ-45 | 1 x RJ-45 | |
| Cash Drawer | | 1 x RJ-11(12/24V) | 1 x RJ-11(12/24V) | 1 x control 2 CR via optional Y-cable | 1 x RJ-11(12 or 24V by jumper) | 1 x RJ-11 (12 or 24V by jumper) | |
| Audio | | 1 x Line-out | 1 x Line-out, 1 x Mic-in (Optional) | 1 x Line-out | 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 | 2 x 2W speaker | |
| Connectivity | | Wi-Fi (802.11b/g/n) or Bluetooth | Wi-Fi (802.11b/g/n) or Bluetooth | Wi-Fi (802.11b/g/n) or Bluetooth | 1 x M.2 slot (for Wi-Fi and Bluetooth) | 1 x Mini PCIe for 4G or 1 x M.2 for 5G (Optional) | |
| IP Rating | | IP65 (front panel) | IP65 (front panel) | IP65 (front panel) | IP65 (front panel) | IP65 (front panel) | |
| Dimensions (W x H x D) | | 352 x 276 x 46mm / 13.85 x 10.86 x 1.81 in | 354 x 327 x 237mm / 13.93 x 12.87 x 9.33 in | 371 x 220 x 26.5mm | 381 x 230.5 x 31.5 mm | 381 x 230.5 x 31.5 mm | |
| Optional Modules and Accessories | Secondary Display | 10.1" VFD LCD (rear) 11.6"/15"/15.6" LCD (pole) | 10.1" VFD LCD (rear) 11.6"/15"/15.6" LCD (pole) | 10.1" 1280 x 800 LCD (single stand) | 10.1" 1280 x 800 LCD (single stand) 15.6" 1920 x 1080 LCD (single stand) | 10.1" 1280 x 800 LCD (Single stand) 15.6" 1920 x 1080 LCD (Single stand) | |
| Peripherals | | External: MSR, Barcode scanner, RFID, iButton Embedded: Wifi, Bluetooth | External: MSR, MSR+iButton, MSR+IC card reader, MSR+fingerprint scanner, MSR+RFID, Barcode scanner Embedded: Wifi, Bluetooth | External: MSR, Barcode scanner Embedded: Wifi, Bluetooth | External: MSR, Barcode scanner Embedded: camera, Wifi | External: MSR, Barcode scanner Embedded: camera, Wifi | |
| | | | | | | | |
| Stands | | Avalo, Dual hinge | Dual hinge | Dual hinge | Dual hinge | Dual hinge | |

USC-M

Product Selection Guide



| Model | UPOS-M15 | USC-M3 | USC-M6 | USC-M10 | USC-M60 |
|------------------|--------------------------|--|--|--|---|
| Description | 15.1" 4:3 POS Monitor | 11.6" 16:9 Ultra-Slim Touch Monitor | 15.6" 16:9 Ultra-Slim Touch Monitor | 10.1" 16:10 POS Monitor | 15.6" 16:9 Touch Monitor |
| Display | Type | 15" TFT LCD with LED backlight | 11.6" TFT LCD with LED backlight | 15.6" TFT LCD | 10.1" TFT LCD backlight |
| | Resolution | 1024 x 768 | HD:1388 x 768, FHD: 1920 x 1080(Optional) | HD:1388 x 768, FHD: 1920 x 1080 | 1280 x 800 |
| | Brightness | 300 cd/m² | HD:250 cd/m², FHD: 350 cd/m² (Optional) | HD:220 cd/m², FHD: 220&400 cd/m² | 350 cd/m² (350 cd/m² Optional) |
| | Touchscreen | | Projected capacitive (PCAP)/Glass | | |
| External I/O | Video Input | 1 x VGA (D-sub 15) or 1 x HDMI & 1 x VGA | 1 x HDMI & 1 x VGA | 1 x HDMI, 1 x USB-C | 1 x HDMI 1 x USB-C |
| | Audio Input | 3.5mm jack | 3.5mm jack | - | - |
| | USB | 1 x USB 2.0 for touch panel | 1 x USB 2.0 for touch panel | 1 x USB-C | USB-C |
| | DC-In | 12V Power Jack | 12V Power Jack | 12V Power Jack | 12V Power Jack |
| Control Buttons | 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 | 1 x 2W | 2 x 2W | - 2 x 2W |
| | Mount Options | VESA mount (75 x 75 mm/2.95 x 2.95 in) | | VESA (75 x 75 mm) | VESA (75 x 75 mm) |
| | Hatch | Right/Left/Top hatch-reserved mounting for optional modulars | | | - Yes |
| | Adapter | 12V 36W | | | 12V 36W or N/A 12V 36W or N/A |
| Optional Modules | Side-Mounted Peripherals | MSR | External: MSR, iButton Embedded: RFID, camera | External: MSR, iButton Embedded: RFID, camera | - External: MSR, iButton Embedded: RFID, camera |

UTK

Product Selection Guide



| Product Model Name | UTK-3000 | | | UTK-6000 | | | |
|-----------------------|-------------------------|---|--|---------------------------------|--|--|------------------|
| | UTK-3715 | UTK-3815 | UTK-3924 | UTK-615 | | UTK-6024/UTK-6021 | |
| | x86 | ARM | x86 | ARM | x86 | ARM | |
| Process System | CPU | Intel® Core™ i5-6300U / Intel® Core™ i3-6100U | Intel® Celeron® J1900 / Intel® Core™ i3-8145UE | Rockchip ARM Cortex™-A17 RK3288 | Intel® Pentium® N4200E / Intel® Core™ i3-1115G4E / Intel® Core™ i5-1145G7E | Rockchip RK3399 Cortex-A72 | |
| | Base/Burst Frequency | 2.3 GHZ / 2.4 GHZ | 2.0 GHZ ; 2.2 GHZ/3.9 GHZ | 1.6 GHZ | 1.1 GHz(N4200E) / 3.0 GHz(i3-1115G4E) / 2.6GHz (i5-1145G7E) | 1.8 GHz | |
| | Memory | DDR4 2133 MHz 16 GB | DDR3L 1333 MHz 4 GB / 8 GB | DDR3L 1333 MHz 2 GB | DDR4 3200 8GB | LPDDR3 4GB | |
| | Storage | 1 x 2.5" SATA3.0 HDD/SSD | 128 GB SSD / 256 GB SATA3 | 8 GB eMMC | 128GB SSD | 32GB eMMC | |
| | Network | 10/100/1000 Mbps | | 10/100/1000 Mbps | | 10/100/1000 Mbps | |
| Display | OS Support | Win 10, Linux | Win 10 | Android 8.1 | Win 10 | Android 12 | |
| | Size | 15" | 15.6" | 23.8" | 15.6" | 23.8" (UTK-6024) / 21.5" (UTK-6021) | |
| | Max. Resolution | 1024 x 768 | 1366 x 768 | 1920 x 1080 | 1920 x 1080 | 1920 x 1080 | |
| | Brightness (cd/m2) | 300 | 220 - 300 | 250 | 220 | 350 | |
| | View Angle | - | 170°/170° | 178°/178° | 178°/178° | 178°/178° | |
| Environmental | Touch Screen | P-Cap Touch | P-Cap Touch | P-Cap Touch | P-Cap Touch | P-Cap Touch | |
| | Operating Temperature | 0 ~ 40 °C / 32 ~ 104 °F | | | 0 ~ 40 °C / 32 ~ 104 °F | | |
| | Certification / EMC | CCC/BSMI/CE/FCC/UL/CB | | | CE, FCC, CCC | | |
| Power Supply | DC Input Rating | 12V / 5A | | | 12V / 5A ; 12V / 7A | 12V / 5A | AC110 V/220 V |
| Mechanical | Mounting | Desktop | | | - | - | - |
| | Dimensions (W x H x D) | 652 x 260 x 300 mm | 750 x 260 x 300 mm | 900 x 260 x 300 mm | 275.8 x 594.5 x 95 mm / 10.85 x 23.4 x 3.74 in | | 910x347x352 mm |
| | Weight | - | - | - | 5 kg / 11.02 lb | | 23 kg / 50.71 lb |
| Peripherals | Sensor | N/A | | | N/A | N/A | |
| | Temperature Controls | N/A | | | N/A | N/A | |
| | Contactless Card Reader | RFID/NFC module | | | RFID/NFC module | RFID/NFC module (optional) | |
| | Smart Card Reader | N/A | | | Smart card reader (Optional) | Smart card reader (optional) | |
| | Magnetic stripe reader | N/A | | | N/A | N/A | |
| | Camera | N/A | | | 720p Camera | 5M Camera (optional) | |
| | Scanner | 2D Barcode scanner | | | 2D Barcode scanner | 2D Barcode scanner (optional) | |
| | Printer | 58 mm / 80 mm Thermal Printer | | | 58 mm (Optional) / 80 mm (Default) | 58/80 Thermal Printer with auto-cutter | |
| | LTE + GPS | N/A | | | LTE + GPS (Optional) | N/A | |



| Product | | UTK-7000 | | | | | | | | UTK-9000 | | | | | | | |
|----------------|-------------------------|--|--|--|--|----------------------------|-----------------------|----------------------------|-----------------------|--|--|--|--|--|--|--|--|
| Model Name | UTK-7115 | | UTK-7121 | | UTK-7515 | | UTK-7521 | | UTK-9017 | UTK-9032 | | | | | | | |
| | UTK-7115P-G | UTK-7115P-H | UTK-7121P-G | UTK-7121P-H | UTK-7515P-H | UTK-7515P-G | UTK-7521P-H | UTK-7521P-G | | | | | | | | | |
| Process System | CPU | Intel® Pentium® N4200 | Intel® Core™ i5-8365UE | Intel® Pentium® N4200 | Intel® Core™ i5-8365UE | Intel® Core™ i5-8365UE | Intel® Pentium® N4200 | Intel® Core™ i5-8365UE | Intel® Pentium® N4200 | Intel® Celeron™ J1900 | Intel® i3-6100U/i5-6300U | | | | | | |
| | Base/Burst Frequency | 1.10 GHz | 1.60 GHz | 1.10 GHz | 1.60 GHz | 1.60 GHz | 1.10 GHz | 1.60 GHz | 1.10 GHz | 2.0 GHz | 2.6 GHz | | | | | | |
| | Memory | DDR3L 1866 MHz 8 GB | DDR4 2400 MHz 16 GB | DDR3L 1866 MHz 8 GB | DDR4 2400 MHz 16 GB | DDR4 2400 MHz 32 GB | DDR3L 1866 MHz 8 GB | DDR4 2400 MHz 32 GB | DDR3L 1866 MHz 8 GB | DDR3 1333 MHz 4 GB | DDR4 2133 MHz 4 GB | | | | | | |
| | Storage | 1 x 2.5" SATA SSD/HDD 1 x M.2 2242/2280 SSD | 1 x 2.5" SATA SSD/HDD 1 x M.2 2242/2280 SSD | 1 x 2.5" SATA SSD/HDD 1 x M.2 2242/2280 SSD | 1 x 2.5" SATA SSD/HDD 1 x M.2 2242/2280 SSD | 1 x 2.5" SATA SSD/HDD | 1 x 2.5" SATA SSD/HDD | 1 x 2.5" SATA SSD/HDD | 1 x 2.5" SATA 2.0 HDD | 1 x 2.5" SATA 2.0 HDD | | | | | | | |
| | Network | 2 x Gigabit Ethernet ports | | 2 x Gigabit Ethernet ports | | 2 x Gigabit Ethernet ports | | 2 x Gigabit Ethernet ports | | 10/100/1000 Mbps | 10/100/1000 Mbps | | | | | | |
| | OS Support | Win 10, Android 10, Linux | Win 10, Android 10, Linux | Win 10, Linux | Win 10, Linux | Win 10, Linux | Win 10, Linux | Win 10, Linux | Win 10, Linux | Win10 | Win10 | | | | | | |
| Display | Size | 15.6" | 15.6" | 21.5" | | 15.6" | | 21.5" | | 17" | 32" | | | | | | |
| | Max. Resolution | 1366 x 768 | 1920 x 1080 | 1920 x 1080 | | 1366 x 768 | | 1920 x 1080 | | 1280 x 1024 | 1920 x 1080 | | | | | | |
| | Brightness (cd/m²) | 250 | 400 | 250 | | 400 | | 250 | | 800 | 1,500 | | | | | | |
| | View Angle | 90°/50° | 170°/170° | 178°/178° | | 178°/178° | 170°/160° | 178°/178° | 178°/178° | 80/80/60/70 | 178°/178° | | | | | | |
| Environmental | Touch Screen | P-Cap Touch | | P-Cap Touch | | P-Cap Touch | | P-Cap Touch | | - | - | | | | | | |
| | Operating Temperature | 0 ~ 40 °C/ 32 ~ 104 °F | 0 ~ 35 °C/ 32 ~ 95 °F | 0 ~ 40 °C/ 32 ~ 104 °F | 0 ~ 35 °C/ 32 ~ 95 °F | 0 ~ 40 °C/32 ~ 104 °F | | 0 ~ 40 °C/32 ~ 104 °F | | -10 ~ 40 °C (32 ~ 104 °F) | -10 ~ 40 °C (32 ~ 104 °F) | | | | | | |
| | Certification / EMC | CE, FCC, CB, UL, CCC, BSMI | | CE, FCC, CB, UL, CCC, BSMI | | CE, FCC, CB, UL, CCC, BSMI | | CE, FCC | | CE, FCC | | | | | | | |
| Power Supply | DC Input Rating | 12V/5A ~ 24V/2.5A | 12V/5A ~ 24V/2.5A | 12V/5A ~ 24V/2.5A | 12V/5A ~ 24V/2.5A | 12V/5A | | 12V/7A | | AC 110V/220V | AC 110V/220V | | | | | | |
| Mechanical | Mounting | - | - | - | | - | | - | | - | - | | | | | | |
| | Dimensions (W x H x D) | 1352 x 340 x 340 mm | | 1482 x 340 x 340 mm | | 1352 x 340 x 340 mm | | 1482 x 340 x 340 mm | | 400 x 1615 x 300 mm | 900 x 1750 x 400 mm | | | | | | |
| Peripherals | Weight | 28.4 kg | | 31.29 kg | | 30.85 kg | | 34 kg | | 180 kg | 182 kg | | | | | | |
| | Sensor | N/A | | | | | | | | Temperature sensor IR sensor (Optional) | Temperature sensor IR sensor (Optional) | | | | | | |
| | Temperature Controls | N/A | | | | | | | | Cooling | Cooling | | | | | | |
| | Contactless Card Reader | RFID | | | | | | | | N/A | RFID/NFC | | | | | | |
| | Smart Card Reader | Smart card reader | | | | | | | | Smart card reader | Smart card reader | | | | | | |
| | Magnetic stripe reader | Magnetic stripe reader | | | | | | | | N/A | N/A | | | | | | |
| | Camera | 5MP Camera | | | | | | | | 1080p Camera | 1080p Camera | | | | | | |
| | Scanner | 2D Barcode reader | | | | | | | | 2D Barcode Scanner | 2D Barcode scanner | | | | | | |
| | Printer | Thermal printer (compliant) | | | | | | | | Thermal printer | Thermal printer | | | | | | |
| | LTE + GPS | N/A | | | | | | | | N/A | LTE + GPS | | | | | | |

AIM

Product Selection Guide

| | | | | | | | |
|--------------------|--|--|--|---|--|---|--|
| | | | | | | | |
| Product | AIM-S series | | AIM-S series | | AIM-S series | | |
| Model | AIM-37 | | AIM-65 | AIM-68 | AIM-75S | AIM-78S | AIM-R series |
| Description | Intel® Atom® x5-Z8350 Processor (up to 1.92 GHz) | Intel® Atom® x5-Z8350 quad-core, 1.6GHz (1.44GHz)" | Intel® Atom® x7-Z8750 quad-core, 1.6GHz (2M cache, up to 2.56GHz) | Qualcomm® Snapdragon™ 660, Octa-core 2.2GHz | Qualcomm® Snapdragon™ 660, Octa-core 2.2GHz | Intel® Celeron® 3965U, 2.2GHz. | Intel® Core™ 7th i3-7100U, / i5-7300U/i7-7600U, up to 2.8GHz |
| | Memory | 4 GB DDR3 | 2/4 GB DDR3 | 4 GB DDR3 | 4 GB DDR4 | 4 GB DDR4 | 4~16 GB DDR4 |
| | OS | Windows 10 IoT Enterprise, Android 6.0 | Windows 10 IoT Enterprise, Android 6.0" | Windows 10 IoT Enterprise, Android 6.0 | Android 10 with GMS certification | Android 10 | Windows 10 IoT, 64-bit, Linux Ubuntu 1604 |
| System | Storage | 64 GB eMMC/micro SD | 32/64 GB eMMC/micro SD | 64 GB eMMC/micro SD | 64 GB eMMC/micro SD | 64 GB eMMC/micro SD | 64GB~1TB mSATA SSD/SD |
| | Type | 10.1" IPS LCD | 8" IPS LCD | 10.1" FHD LCD | 8" IPS LCD | 10.1" FHD LCD | 10.1" WXGA LCD |
| | Max. Resolution | WXGA 1280 x 800 | WUXGA 1920 x 1200 | WUXGA 1920 x 1200 | WUXGA 1920 x 1200 | WUXGA 1920 x 1200 | WUXGA 1920 x 1200 |
| Display | Touch-screen | 10-point, multi-touch PCAP | 10-point, multi-touch PCAP | 10-point, multi-touch PCAP | 10-point, multi-touch PCAP | 10-point, multi-touch PCAP | 10-point, multi-touch PCAP |
| | Front | 2MP FF camera | 2MP FF camera | 2MP FF camera | 5MP FF camera | 8MP FF camera | 2MP FF camera |
| Camera | Rear | 5MP AF camera | 5MP AF camera | 5MP AF camera | 8MP AF camera | 13MP AF camera | 8MP AF camera |
| | Wireless communication | WLAN, BT, NFC | WLAN, BT, NFC, WWAN (Optional) | WLAN, BT, NFC, WWAN (Optional) | WLAN, BT, NFC, WWAN (Optional) | WLAN, BT, NFC, WWAN (Optional) | WLAN, BT, NFC (Optional), WWAN (Optional) |
| Battery | 3.8V, 30Whr, 7900mAh | 3.8V, 18.6Whr, 4900mAh | 10.8V, 26Whr, 2400mAh | 3.8V, 18.6Whr, 4900mAh | 10.8V, 26Whr, 2400mAh" | Primary battery: 14.4V, 39.32Whr, 2730mAh Secondary battery: 14.4V, 62Whr, 4300mAh | |
| Environment | Operating Temperature | -10 ~ 50 °C/14 ~ 122 °F | -10 ~ 50 °C/14 ~ 122 °F | | | -20 ~ 50 °C/-4 ~ 122 °F | |
| | IP Rating | IP54 (except the MSR/IC card slot) | IP65 | | | | |
| | Drop Tolerance | Up to 75 cm (2.5 ft) | Up to 120 cm (4 ft) | | | | |
| Peripherals | Integrated 1D/2D barcode scanner | Integrated 1D/2D barcode scanner | | Integrated 1D/2D barcode scanner | Finger Printer, 1D/2D Barcode Reader, GPS, TPM 1.2 | | |
| | Extension modules | MSR/ICCR | 20°/70° Barcode scanner, MSR + barcode scanner, MSR module, LAN + COM module, UHF RFID reader, UHF RFID reader (flat type) | | | Additional I/O module, MSR & smart card reader | |
| | Accessory | VESA Dock, Desk Dock, Hand strap, Multi-Tablet Charging Station, Thermal Printer | VESA Dock, Vehicle Dock, Desk Dock, Rugged Cas, Hand strap, Rotatable hand strap, Shoulder strap, Holster, screen protection film, Active stylus, Multi-Battery Charging Station, Battery, Multi-Tablet Charging Station (For AIM-65/75) | | | Desk Dock, Vehicle Dock, Universal cover package, screen Protection Film, Battery, Multi-Battery Charging Station | |

AIM-Peripheral

Product Selection Guide

**Docking**

| Model Name | Thermal Printer / Cradle | Desk Dock | VESA Dock | VESA Dock | VESA Dock | Desk Dock |
|------------------|---|---|--|---|---|-------------------------|
| Applicable Model | AIM-37 | AIM-37 | AIM-37 | AIM-65/75S | AIM-68/78S | AIM-75S |
| Part Number | AIM-P701E0 (USB+BT thermal printer) | AIM-P708A0 (single I/O) AIM-P708C0 (multiple I/O) | AIM-P703 | AIM-VSD0-0170 (full I/O) AIM-VSD0-0171 (charger & USB) | AIM-VSD0-0470 (full I/O) AIM-VSD0-0471 (charger & USB) | AIM-P508A0 |
| Features | 2"/3" thermal printer I/O: USB 2.0*3, RS-232*1, RJ-45*1, RJ-11*1 | Single I/O: USB 2.0 Type A, micro USB Multiple I/O: USB 2.0, RS-232, LAN, power jack | VESA (75 x 75) standard mounting holes | VESA (75 x 75) standard mounting holes with full I/O | VESA (75 x 75) standard mounting holes with full I/O | I/O: USB 2.0, micro USB |

**Docking**

| Model Name | Desk Dock | Desk Dock | Desk Dock | Vehicle Dock | Vehicle Dock | Vehicle Dock |
|------------------|---|---|--|---|---|--|
| Applicable Model | AIM-65/75S | AIM-68/78S | PWS-872 | AIM-65/75S | AIM-68/78S | PWS-872 |
| Part Number | AIM-OFD0-0170 (full I/O) AIM-OFD0-0171 (charger & USB) | AIM-OFD0-0480 (full I/O) AIM-OFD0-0481 (charger & USB) | PWS-870-CRADLE00E | AIM-VEH7-0000 (full I/O) AIM-VEH7-0010 (charger only) | AIM-VED0-0422 (full I/O) AIM-VED0-0423 (charger only) | PWS-870-VRADLE00E PWS-870-VRADLE01E PWS-870-VMOUNT00E |
| Features | 1 x Office dock (full I/O configuration) / 1 x Office dock (USB); 1 x AC/DC adaptor | 1 x Office dock (full I/O configuration) / 1 x Office dock (USB); 1 x AC/DC adaptor | I/O: USB 3.0, RS-232, VGA, LAN, power jack | Full I/O, power jack Charger only: Power input | Full I/O, power jack Charger only: Power input | 1 x LAN A8 (M12), 1 x GPS SMA, 2 x USB 3.0, 1 x HDC (RS-232, CAN 2.0, DI, DO, Line-in, Line-out), 1 x power input (M12) |

**Extension Module**

| Model Name | Barcode scanner 20° / 70° | MSR module | MSR + barcode scanner | LAN + COM module | UHF RFID reader | I/O extension module |
|------------------|--|--|---|--|--|--|
| Applicable Model | AIM-65/68/75S/78S | AIM-65/68/75S/78S | AIM-65/68/75S/78S | AIM-65/68/75S/78S | AIM-65/68/75S/78S | PWS-872 |
| Part Number | AIM-EXT0-0040 / AIM-EXT0-0041 | AIM-P521B0 | AIM-P521A0 | AIM-EXT0-0046 | AIM-EXT0-0047 (EU) AIM-EXT0-0049 (US) AIM-EXT0-0050 (Flat) | PWS-870-EXT100E |
| Features | Sensor: 640 x 480 CMOS sensor; Field of view: horizontal: 37.8°; vertical: 28.8° | Swipe Speed: 3 ~ 75 in/sec Supported Format: ISO 7811 / JIS II bi-directional swipe | Refer to the spec of barcode scanner and MSR module | 1 x 10/100 Ethernet port 1 x COM port | RFID output: 25W Supported tag standard: EPC Class 2, Gen. 2 / ISO 18000-6C | 1 x USB 3.0 , 2 x RS-232, 1 x 10/100/1000 Ethernet |

**Battery / Charging**

| Model Name | Battery Pack | Battery Pack | Battery Pack | Multi-Battery Charging Station |
|------------------|---------------------------------------|---------------------------------------|---|--------------------------------|
| Applicable Model | AIM-65/75S | AIM-68/78S | PWS-872 | AIM-65/68/75S/78S |
| Part Number | AIM-BAT0-0252 | AIM-BAT0-0452 | PWS-870-BAT200E | AIM-MBC0-0051 |
| Features | Hot-swappable, 3.8V, 18.6Whr, 4900mAh | Hot-swappable, 10.8V, 26Whr, 2400 mAh | Hot-swappable, 14.4V, 63.64Whr, 4300mAh | Supports up to 4 batteries |

**Battery / Charging**

| Model Name | Multi-Battery Charging Station | Multi-Tablet Charging Station | Magnet Charging Jacket | Magnet Charging Cradle |
|------------------|---|-------------------------------|---|------------------------|
| Applicable Model | PWS-872 | AIM-65/75S | AIM-37 | AIM-37 |
| Part Number | PWS-870-MBC00E | AIM-CHG0-0150 | AIM-P707A2 | AIM-P708B2 |
| Features | Supports up to 4 external battery packs | Supports up to 4 batteries | Bundle P/N: AIM-P709C0 Adaptable for both desktop and wall-mount modes | |

**Accessories**

| Model Name | Hand strap | Hand strap | Shoulder strap | Shoulder strap | Rotatable hand strap | Universal cover package | PCAP stylus | Active pen |
|------------------|-----------------------------------|-------------------|-------------------|----------------|--------------------------|-----------------------------------|--------------|-------------|
| Applicable Model | AIM-37 | AIM-65/68/75S/78S | AIM-65/68/75S/78S | AIM-68/78S | AIM-65/68/75S/78S | PWS-872 | AIM-37/65/68 | AIM-75S/78S |
| Part Number | AIM-P702 | AIM-SRP0-0000 | AIM-SRP0-0001 | AIM-SRP0-0002 | AIM-SRP0-0004 | PWS-870-UCOVER00E | AIM-P704 | AIM-P705 |
| Features | Synthetic leather w/ Elastic band | Stylus holder | Stylus holder | Stylus holder | 360° rotatable handstrap | handle, stand, strap, and holster | | |

AIM

Product Selection Guide



| Model Name | | AIM-65 | AIM-75S |
|-------------|------------------------|---|---------|
| Description | | 8" Industrial Tablet with Windows OS | |
| System | CPU | Intel® Atom® x5-Z8350 quad-core, 1.6GHz (1.44GHz) | |
| | Memory | 4GB DDR3 | |
| | OS | Windows 10 IoT Enterprise Android 6.0 | |
| | Storage | 64 GB eMMC/micro SD | |
| Display | Type | 8" IPS LCD | |
| | Max. Resolution | WUXGA 1920 x 1200 | |
| | Touch-screen | 10-point, multi-touch PCAP | |
| | Front | 2MP FF camera | |
| | Rear | 5MP AF camera | |
| | Wireless communication | WLAN, BT, NFC, WWAN (Optional) | |
| | Battery | Swappable battery: 3.8V, 18.6Whr, 4900mAh | |
| | Operating Temperature | -10 ~ 50 °C/14 ~ 122 °F | |
| Environment | IP Rating | IP65 | |
| | Drop Tolerance | Up to 120 cm (4 ft) | |

AIM-65 / AIM-75S**Peripherals**

| Extension Module | | | | | | |
|------------------|---------------------|---------------------|-----------------------|------------------|--|------------------------|
| Name | 20° Barcode scanner | 70° Barcode scanner | MSR + barcode scanner | LAN + COM module | UHF RFID reader | UHF RFID reader (Flat) |
| Part Number | AIM-EXT0-0040 | AIM-EXT0-0041 | AIM-P521A0 | AIM-EXT0-0046 | AIM-EXT0-0047 (EU) AIM-EXT0-0049 (US) | AIM-EXT0-0050 |



| Peripheral | | | | | |
|-------------|---|---------------|--|--|--|
| Name | VESA Dock | Simple Cradle | Office Dock | Vehicle Dock | Active Pen |
| Part Number | AIM-VSD0-0170 (full I/O) AIM-VSD0-0171 (charger & USB) | AIM-P508A0 | AIM-OFD0-0170 (full I/O) AIM-OFD0-0171 (charger & USB) | AIM-VEH7-0000 (full I/O) AIM-VEH7-0010 (charger only) | AIM-P704 for AIM-65/68 AIM-P705 for AIM-75/78 |



| Battery & Peripheral | | | | | | |
|----------------------|---------------|--------------------------------|-------------------------------|---------------|----------------------|----------------|
| Name | Battery Pack | Multi-Battery Charging Station | Multi-Tablet Charging Station | Hand strap | Rotatable hand strap | Shoulder strap |
| Part Number | AIM-BATO-0252 | AIM-MBC0-0051 | AIM-CHG0-0150 | AIM-SRP0-0000 | AIM-SRP0-0004 | AIM-SRP0-0001 |

AIM

Product Selection Guide



| Model Name | | AIM-68 | AIM-78S |
|------------------------|-----------------|---|---|
| Description | | 10.1" Industrial Tablet with Windows OS | 10.1" Industrial Tablet with Andorid |
| System | CPU | Intel® Atom® x7-Z8750 quad-core, 1.6GHz (2M cache, up to 2.56GHz) | Qualcomm® Snapdragon™ 660, Octa-core 2.2GHz |
| | Memory | 4GB DDR3 | 4GB DDR4 |
| | OS | Windows 10 IoT Enterprise, Android 6 | Android 10 |
| | Storage | 64 GB eMMC/micro SD | 64 GB eMMC/micro SD |
| Display | Type | 10.1" FHD LCD | 10.1" FHD LCD |
| | Max. Resolution | WUXGA 1920 x 1200 | WUXGA 1920 x 1200 |
| | Touch-screen | 10-point, multi-touch PCAP | 10-point, multi-touch PCAP |
| | Front | 2MP FF camera | 8MP FF camera |
| Wireless communication | Rear | 5MP AF camera | 13MP AF camera |
| | | WLAN, BT, NFC, WWAN (Optional) | WLAN, BT, NFC, WWAN (Optional) |
| | | Hot-swappable battery: 10.8V, 26Whr, 2400mAh | Swappable battery: 10.8V, 26Whr, 2400mAh |
| | | -10 ~ 50 °C/14 ~ 122 °F | |
| Environment | IP Rating | IP65 | |
| | Drop Tolerance | Up to 120 cm (4 ft) | |

AIM-68 / AIM-78S

Peripherals



| Extension Module | | 20° Barcode scanner | 70° Barcode scanner | MSR + barcode scanner | LAN + COM module | UHF RFID reader | UHF RFID reader (Flat) |
|------------------|-------------|---------------------|---------------------|-----------------------|------------------|--|------------------------|
| Name | Part Number | AIM-EXT0-0040 | AIM-EXT0-0041 | AIM-P521A0 | AIM-EXT0-0046 | AIM-EXT0-0047 (EU) AIM-EXT0-0049 (US) | AIM-EXT0-0050 |

| Peripheral | | VESA Dock | Desk Dock | Vehicle Dock | Battery Pack | Multi-Battery Charging Station |
|------------|-------------|---|---|--|---------------|--------------------------------|
| Name | Part Number | AIM-VSD0-0470 (full I/O) AIM-VSD0-0471 (charger & USB) | AIM-OFD0-0480 (full I/O) AIM-OFD0-0481 (charger & USB) | AIM-VED0-0422 (full I/O) AIM-VED0-0423 (charger only) | AIM-BAT0-0452 | AIM-MBC0-0051 |

| Peripheral | | Hand strap | Rotatable hand strap | Shoulder Strap | Shoulder Strap | Active Pen |
|------------|-------------|---------------|----------------------|----------------|----------------|--|
| Name | Part Number | AIM-SRP0-0000 | AIM-SRP0-0004 | AIM-SRP0-0002 | AIM-SRP0-0001 | AIM-P704 for AIM-65/68 AIM-P705 for AIM-75/78 |

AIM

Product Selection Guide



| | |
|-------------------------------|---|
| Model Name | AIM-37 |
| Description | 10.1" Dual OS Multi-Functional Retail Industrial Tablet |
| System | Intel® Atom® x5-Z8350 Processor (up to 1.92 GHz) |
| | 4GB DDR3L |
| | Windows 10 IoT Enterprise, Android 6 |
| | 64GB eMMC/micro SD |
| Display | 10.1" IPS LCD |
| | WXGA 1280 x 800 |
| | 10-point, multi-touch PCAP |
| | 2MP FF camera |
| | 5MP AF camera |
| Wireless communication | WLAN, BT, NFC |
| Battery | 3.8V, 30Whr, 7900mAh |
| Environment | -10 ~ 50 °C/14 ~ 122 °F |
| | IP54 (except the MSR/IC card slot) |
| | Up to 75 cm (2.5 ft) |

AIM-37 Peripherals



| Docking | Thermal Printer | Simple Cradle |
|-------------|--|--|
| Name | | |
| Part Number | AIM-P701E0 (USB+BT thermal printer) | AIM-P708A0 (single I/O) AIM-P708C0 (multiple I/O) |



| Docking | VESA Dock | Magnet Charging Jacket | Magnet Charging Cradle |
|-------------|-----------|------------------------|------------------------|
| Name | | | |
| Part Number | AIM-P703 | AIM-P707A2 | AIM-P708B2 |
| | | Bundle PN: AIM-P709C0 | |



| Accessory | Hand strap | PCAP stylus |
|-------------|------------|-------------|
| Name | | |
| Part Number | AIM-P702 | AIM-P704 |

AIM

Product Selection Guide



| | | |
|------------------------|-----------------------|---|
| Model Name | | PWS-872F |
| Description | | 10.1" Fully Rugged Tablet with Windows OS |
| System | CPU | Intel® Celeron® 3965U, 2.2GHz, 7th Gen Intel® Core™ i3-7100U/i5-7300U/ i7-7600U, up to 2.8GHz |
| | Memory | 4~16 GB DDR4 |
| | OS | Windows 10 IoT, 64 bit, Linux Ubuntu 1604 |
| | Storage | 64G~1TB mSATA SSD/SD |
| Display | Type | 10.1" LCD |
| | Max. Resolution | WXGA 1280 x 800, 300nits / WUXGA 1920 x 1200, 1000nits |
| | Touch-screen | 10-point, multi-touch PCAP |
| | Front | 2MP FF camera |
| | Rear | 8MP AF camera |
| Wireless communication | | WLAN, BT, NFC (Optional), WWAN (Optional) |
| Battery | | Primary battery: 14.4V, 45.5Whr, 3250mAh Secondary battery: 14.4V, 63.64Whr, 4300mAh |
| Environment | Operating Temperature | -20 ~ 50 °C/-4 ~ 122 °F |
| | IP Rating | IP65 |
| | Drop Tolerance | Up to 120 cm (4 ft) |

PWS-872 Peripherals

| | | |
|------------------|----------------------|--|
| Extension Module | | |
| Name | I/O extension module | MSR & Smart Card Reader |
| Part Number | PWS-870-EXT100E | PWS-870-EXT300E |
| Docking | Desk Dock | Vehicle Dock |
| Name | | |
| Part Number | PWS-870-CRADLE00E | PWS-870-VCRADLE00E (Lan, M12 Cable) PWS-870-VCRADLE01E (Chrging only) PWS-870-VMOUNT00E (Without I/O) |
| Accessory | Battery Pack | Multi-Battery Charging Station |
| Name | | Universal cover package |
| Part Number | PWS-870-BAT200E | PWS-870-MBC00E |
| | | PWS-870-UCOVER00E |

UBX

Product Selection Guide



| Model | USM-110 | | UBX-110 | UBX-230 | UBX-310 | USM-500R |
|------------------------|--|---|---|---|--|---|
| | USM-110A | USM-110C | | UBX-230H | UBX-310F | |
| Description | 4K Ultra-Compact ARM-Based Box PC, IoT Gateway | | 8K Intelligent, Fanless x86-Based Mini PC | 8K High-Performance Edge Computer | Intelligent Compact Fanless BOX PC | High-Performance Edge Work Station |
| System | Processor | RK3288, Arm® Cortex®-A17 quad-core processor (1.6GHz) | RK3566, Arm® Cortex-A55 quad-core processor (1.8GHz) | Intel 11th gen. Celeron 6305E Core-i3, 1115G4E Core-i5, 1145G7E Core-i7, 1185G7E | Intel 11th gen. Core-i3, 1115G4E Core-i5, 1145G7E | Intel® Core™ i3-6100U Intel® Core™ i5-6300U |
| | Operating System | Android 8.1/10.0, Linux Debian 9.0 | Android 11.0/12.0, Linux Debian 11.0 | Windows 10/11, Linux | Windows 10/11, Linux | Windows 7/10, POSReady7, Linux |
| Memory | 2 GB (4GB Optional) | 2 GB (4G optional) | Up to 64 GB (optional) | Up to 64 GB (optional) | 16 GB | up to 128 GB |
| Storage | HDD | 1 x onboard eMMC 16 GB Micro SD extension | 1 x onboard eMMC 16GB Micro SD extension | - | - | 1 x 2.5" SATA HDD/ SSD bay |
| | mSATA | - | - | - | - | 2 x Full-size mSATA |
| | M.2 | - | - | 2 x M.2 2280 SATA SSD | 2 x M.2 2280 SATA SSD | - |
| Display | Max. Resolution | 4K resolution up to 3840 x 2160 @ 60 Hz | 4K resolution up to 3840 x 2160 @ 60 Hz | 8K (7680 x 4320 @60 Hz) | 8K (7680 x 4320@60 Hz) | 3840 x 2160 @30Hz |
| External I/O | Serial Port | 1 x COM | - | 1 x COM | 1 x DB9 4 x RJ-48 (0V/5V/12V) | 4 x COM |
| | USB Port | 4 x USB 2.0 | 2 x USB 2.0 | 4 x USB 3.2 | 4 x USB 3.2; 1 x USB 2.0; 6 x USB 2.0 | 2 x USB 2.0, 4 x USB 3.0 |
| | Output | 2 x HDMI | 1 x HDMI | 1 x USB-C (via DisplayPort protocol), 2 x HDMI | 1 x USB-C (via DisplayPort protocol, 8K@60Hz resolution); 2 x HDMI (4K@60Hz resolution) | 1 x VGA, 1 x HDMI |
| | RJ-11 | - | - | - | 1 x RJ-11 (12V/24V) | - |
| | Ethernet | 1 x RJ-45 | 1 x RJ-45 | 2 x RJ-45 | 2 x RJ-45 | 2 x RJ-45 |
| | Power Input (V) | 12V | 12V | 12V | 24V | 12V |
| | Audio | 1 x Line-out | 1 x Line-out | 1 x Line-out | 1 x Line-out | 1 x Line-out, 1 x Mic-in |
| Extension | 1 x mini PCIe for 4G module(Optional); 1 x Internal USB for WiFi module; 1 x SIM card slot | 1 x Internal USB for WiFi module 1 x SIM card slot | 2 x M.2 2280 for storage; 1 x M.2 2230 for WiFi, 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 WiFi, BT combo module; 1 x M.2 3042 for LTE module(optional BOM) | 2 x F/S MiniPCIe | 1 x M.2 2280, 1 x NVMe PClex4, 1 x SATA M.2 support |
| Mounting | Mount options | Wall mounting, Pole, Din-rail, Magnet, VESA | Wall mounting, Pole, Din-rail, Magnet, VESA | Wall mount, Pole, VESA | Desktop | wall mounting, VESA |
| Dimesnions (W x D x H) | 156 x 112 x 28 mm / 6.14 x 4.41 x 1.10 in | 156 x 112 x 28 mm / 6.14 x 4.41 x 1.10 in | 182.5 x 141 x 35 mm | 182.5 x 141 x 58 mm | 245 x 185 x 45 mm / 9.64 x 7.28 x 1.77 in | 320 x 329.5 x 145 mm |

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