

Regional Service & Customization Centers

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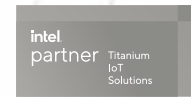
Advantech Digital Signage

Engaging with your Customers through Interactive Digital Signage

Interactive Digital Signage
 All-in-One Touch Computers
 Indoor Self-Service Kiosks
 Outdoor Self-Service Kiosks



Enabling an Intelligent Planet



DeviceOn/iService www.advantech.com

Internet of Things Digital Signage Solutions ...

for Every Industry

Retail Industry like Food Retailers, Brand Stores, Discounters and Convenience Store

Creating a seamless shopping experience requires highly customized applications and fully integrated platforms to deliver reliable and superior customer service. Retailers are now able to offer more personalized content and better engage customers wherever they are.

Hospitality Industry like Hotels, Fine Dining, Casual Dining, QSRs and Drive-Through

Customer loyalty and information play an important role in this context. Automated feedback questions at the end of an order process on a smart device that carries the company branding and sends the evaluation directly to the manager are an important step. Moreover, in order to draw attention to offers outside business hours or to address customers who are in front of the store, outdoor advertising via digital devices has become indispensable.

Public Space Industry like Shopping Malls, Food Courts, Canteens, Arenas, Venues and Stations

Digital Signage for public spaces help improve service levels by implementing a wide range of intelligent solutions, such as self-service kiosks and instant feedback terminals. Smart devices enable organizations to collect valuable user data in multiple locations for future analysis. Cloud-based systems enable users to access services anytime, anywhere.

Advantech's interactive digital signage solution enables managers to deliver dynamic and immersive multimedia content and increase customer engagement by broadcasting target content, from single store to centralized management, and commercial to industrial applications. Using a variety of IoT sensors, facial detection cameras, RFID readers, and in-store heat maps, the solution establishes an interactive digital signage network that offers a world of new possibilities for businesses to optimize operations.

Retail Industry like Food Retailers, Brand Stores, Discounters and Convenience Stores.

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Interactive Digital Signage



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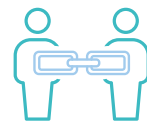
KEY BENEFITS



Use precision marketing to attract target customers



Flexibly supports diverse usage scenarios



Enhance customer engagement with relevant marketing



Reduce labor costs with centralized management

SOFTWARE FEATURES

WISE-PaaS/SignageCMS

Interactive Content Creator for Signage Applications

WISE-PaaS / SignageCMS is a web-based content management system designed to deliver high-resolution multimedia in diverse formats to Advantech's signage players. The system allows users to layout, schedule, and dispatch signage content to an unlimited number of remote display clients. The software includes RESTful APIs that enable users to access and control applications from the server and integrate various interactive devices, such as an RFID reader, POS system, or facial recognition system.



Interactive APIs for easy integration



Calendar view for schedule editing



Remote centralized management

Digital Signage Solutions for Every Industry

Retailers such as grocers, branded stores, discounters and convenience stores.

Creating a seamless shopping experience requires highly customized applications and fully integrated platforms to deliver reliable and superior customer service. Retailers are now able to offer more personalized content and better engage customers wherever they are.

Hospitality industries such as hotels, upscale restaurants, casual dining, QSRs and drive-throughs.

Customer engagement and information play an important role in this context. Automated feedback questions at the end of an order process on a smart device that carries the company's branding and sends the rating directly to the manager is an important step. In addition, to draw attention to offers outside business hours or to target customers who are outside the store, outdoor advertising via digital devices has become indispensable.

Public space industries such as shopping malls, food courts, canteens, arenas, event venues and train stations.

Digital signage for public spaces helps improve service levels by implementing a wide range of smart solutions, such as self-service kiosks and instant feedback terminals. Smart devices allow organizations to collect valuable user data from multiple locations for future analysis. Cloud-based systems enable users to access services anytime, anywhere.

All-in-One Touch Computers



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

Application Scenarios



• Hotel Customer Survey Terminals



• Kitchen Display Systems



• Supermarket Interactive Terminals



• Retail O2O Terminals



• Mall Wayfinding Kiosks



• Intelligent POS Systems

SYSTEM ARCHITECTURE

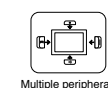


3 Steps to Build Your Own Integrated All-in-One Kiosk



- 1** Choose UTC AiO Size
 - 15.6"~21.5" monitor
 - Touchscreen
 - Intel processor
 - Fanless design
- 2** Select Peripheral Modules
 - Camera
 - RFID / NFC reader
 - 1D / 2D barcode scanner
 - MSR / smart card reader
- 3** Pick Stand Type
 - Table and floor stand
 - Thermal printer
 - Customizable color
 - Easy installation

UTC-500 series



Multiple peripherals



15.6"

21.5"

UTC-100 series



Ultra slim



15.6"

21.5"

2. Select Peripheral Modules

Peripherals	Magnetic Stripe Reader	NFC / RFID Reader	Smart Card Reader	1D / 2D Barcode Reader	5MP Camera Module	Fingerprint Scanner	iBeacon
UTC-510 / 542 Series							
UTC-515 / 520 / 532 Series							
UTC-300 Series							
UTC-307 / 310 Series							
UTC-100 Series							

3. Pick Stand Type

Wall Mount Kit

ARES-12240-AR01100 ARES-12250-AR01100 ARES-12250-AR01100 UTC-WALL-MOUNT4E UTC-WALL-MOUNT5E

Table Stand

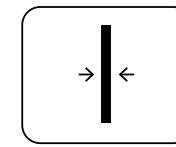
UTC-520 STAND1E UTC-300P-D ARES-2424X-S170201 ARES-2424X-S150201 UTC-510 STAND0E UTK-7000 table stand

Floor Stand

UTC-T01 STANDE UTC-H01 STANDE UTK-7000 Floor Stand

UTC-100 Series

15.6 ~ 23.8" Ultra-Thin, Lightweight, All-in-One Touch Computer



Ultra slim



OS Support

Slim Ultra-Light Design Expedites Installation

The UTC-100 series touch computer is one of the thinnest products of its type, enabling easy installation, integration, and maintenance in public spaces.

Support for Multiple Operating System

The UTC-100 series provides Intel system platforms that ensure Windows 10 IoT, Android 10, or Linux OS can run on it smoothly.

Flexible and Expandable for Diverse Application

With 4 side-facing expansion slots, optional peripherals can be integrated to extend the system functionalities for diverse applications. The quick-swap storage that is easy to install, ensuring rapid integration, maintenance, and operation.

Dual Power Input for Stable Operation

The provision of dual power inputs (PoE* and 12~24V DC) and 3-way cable routing enables installation and stable operation in a wide range of environment.

* For selected models only.

UTC-115/120/124

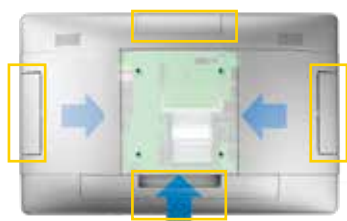
15.6 ~23.8" Ultra-Thin, Lightweight, All-in-One Touch Computer

- 15.6 / 21.5 / 23.8" monitor with 16:9 widescreen display
- Intel® Pentium® N4200 and Core™ i5-8365UE, Core™ i3-8145UE
- Ultra-thin and lightweight system
- Clean form and lines with no visible screws
- Fanless, low-power system
- Quick-swap HDD / SSD slot
- Supports Power over Ethernet (PoE / PoE+, optional)
- Supports landscape and portrait screen orientations
- IP65-rated front panel protects against water and dust

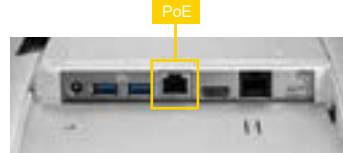
WISE-DeviceOn



Key Features



3-way cable routing and 4 x side-facing expansion slots for peripheral integration



Supports PoE+ and 12~24V DC (applicable for UTC-110 / 115)



Quick-swap storage design ensures easy installation and maintenance



Dual system architecture



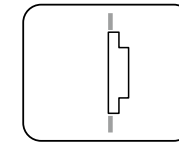
Clean form and lines with no visible screws

UTC-200 Series

7~31,5" True-Flat, Fanless, Open Frame Panel PC

- 7 / 10.1 / 21.5 / 31.5" monitor with 16:9 widescreen display
- Intel® Core™ i5-6300U / Pentium® N4200 processor
- Low-power, fanless system
- Supports portrait and landscape screen orientations
- Supports Window 10 IoT, Linux, Android 10

WISE-DeviceOn



Open frame



OS Support



7~31.5" All-in-One PC with 16:9 LCD

The compact, slim design offers a stylish appearance, which combined with the 16:9 widescreen display provides enhanced installation flexibility.

Open Frame Design for Easy Integration

Aimed at diverse embedded applications, the UTC-200 series computers feature an open-frame bracket and single-unit design that enable easy integration with kiosks, cabinets, or wall mounts.

Excellent Performance and Multiple OS Support

The UTC-200 series computers are equipped with a rugged touchscreen and IP65-rated front panel that protects against water and dust, satisfying the requirements for industrial environments.

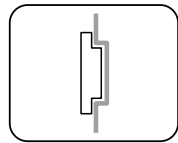
Rugged Touchscreen with IP65-Rated Protection

The UTC-200 series computers are equipped with a rugged touchscreen and IP65-rated front panel that protects against water and dust, satisfying the requirements for industrial environments.

UTC-300 Series

7"~21.5" Versatile, Flexible, All-in-One Touch Computer

WISE-DeviceOn



Panel mount



Color Options: White Black

OS Support

Compact, Fanless System Delivers Superior Performance

Powered by the latest Intel® processor, UTC-300 series computers deliver superior performance in a compact and fanless system that supports multiple OS for convenient deployment.

Flexible Installation with Removable Frame Design

The UTC-300 series computers support stand, panel, and VESA mounting, while the removable frame design enables recessed-wall mounting, to facilitate diverse applications.

Wide Input Voltage and Multiple I/O Ports

To ensure flexible installation in diverse environments, UTC-300 series computers support a wide input voltage range (12~30V) and feature multiple I/O ports for enhanced connectivity.

High Expandability with Diverse Peripherals

The pre-perforated removable docking station sections on all four sides enable diverse peripherals to be easily integrated in order to extend the system functionality.

UTC-307

7" Versatile, Flexible, All-in-One Touch Computer

WISE-DeviceOn

- 7" monitor with 16:9 widescreen display
- Intel® Celeron® N3350 / Pentium® N4200 processor
- Fanless, low power system
- Easy-access HDD / SSD slot (optional)
- Wide input voltage (12~24V)
- Supports Power over Ethernet (PoE+, optional)
- IP65-rated front panel protects against water and dust
- Removable frame design for panel mounting

Key Features



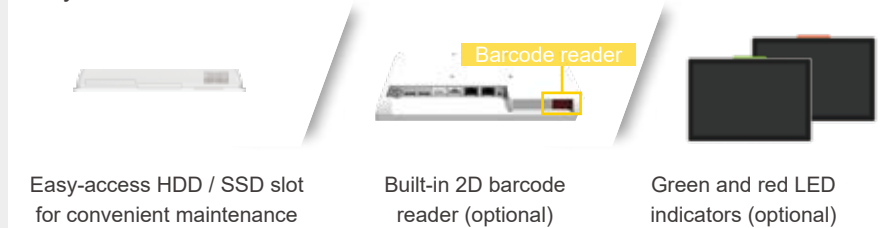
UTC-310

10.1" Versatile, Flexible, All-in-One Touch Computer

WISE-DeviceOn

- 10.1" monitor with 16:10 widescreen display
- Intel® Celeron® N3350 / Pentium® N4200 processor
- Fanless, low power system
- Easy-access HDD / SSD slot (optional)
- Wide input voltage (12~24V)
- Supports Power over Ethernet (PoE+, optional)
- IP65-rated front panel protects against water and dust
- Removable frame design for panel mounting

Key Features



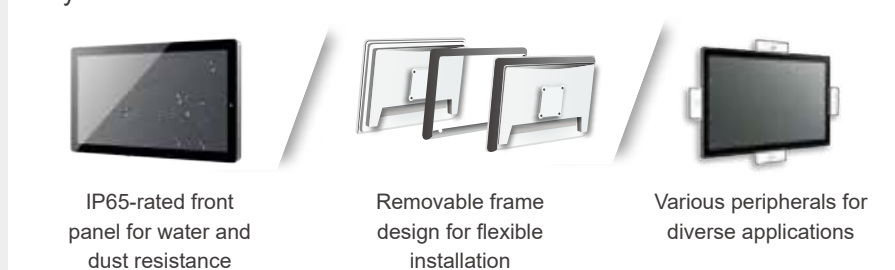
UTC-315 / 318 / 320

15.6 / 18.5 / 21.5" Versatile, Flexible, All-in-One Touch Computer

WISE-DeviceOn

- 15.6 / 18.5 / 21.5" monitor with 16:9 widescreen display
- Intel® Celeron® J1900 / Pentium® N4200 / Core™ i5-6300U / Core™ i5-8365UE processor
- Fanless, low-power system
- Wide input voltage (12~30V) Core™ i5 platform only
- IP65-rated front panel protects against water and dust

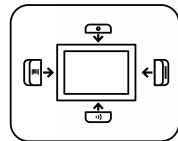
Key Features



UTC-500 Series

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

WISE-DeviceOn



Multiple peripherals



Supports Advantech WISE-PaaS / DeviceOn remote management software OS Support

10.1~42.5" Compact, All-in-One PCs with 16:9 LCD

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

Excellent Performance with Low Power Consumption

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

Rugged and Durable Touchscreen

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

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

Expandable for a Wide Range of Applications

With support for multiple OS and various I/O ports, optional peripherals can be integrated to extend the system functionalities for diverse applications.

UTC-510

10.1" Rugged, Expandable, All-in-One Touch Computers

WISE-DeviceOn

- 10.1" monitor with 16:10 widescreen display
- Intel® Celeron® N2807 / J1900 /N3350 / Atom E3825 / Pentium® N4200 processor
- Fanless, low-power system
- Wide input voltage (12~24V)
- Support recessed wall mounting option and customizable frame color
- Supports Power over Ethernet (PoE+, optional)
- IP65-rated front panel protects against water and dust
- Built-in 5MP camera (optional)



Key Features



IP65-rated front panel for water and dust resistance



PoE support (for UTC-510-PoE)



Various peripherals for system expansion

UTC-515 / 520 / 532

15.6 / 21.5 / 31.5" Rugged, Expandable, All-in-One Touch Computers

WISE-DeviceOn

- 15.6 / 21.5 / 31.5" monitor with 16:9 widescreen display
- Intel® Celeron® J1900 / Pentium® N4200 / Core™ i3-8145UE/ Core™ i3-6100U (UTC-515) / Core™ i5-8365UE/ Core™ i5-6300U (UTC-520/532) processor
- Fanless, low-power system
- Supports both landscape and portrait screen orientations
- IP65-rated front panel protects against water and dust
- Antimicrobial scratch-resistant tempered glass with 9H surface
- Anti-glare surface touch (optional)
- All-white color housing (optional for UTC-520)



Key Features



IP65-rated front panel for water and dust resistance



Side groove design for flexible peripheral installation



Multiple peripherals for diverse applications

UTC-520 IP65

21.5" Rugged and Expandable All-in-One Touch Computer with All-Around IP65 Rating

- 21.5" monitor with 16:9 widescreen display
- Intel Pentium® N4200 / Intel Core™ i5-6300U processor
- SUS304 Stainless steel with all-round IP65 rating
- Fanless, low-power system
- Supports both landscape and portrait screen orientations
- -10 to 50°C wide operating temperature
- M12 waterproof connector
- WiFi connectivity module with dual waterproof antenna (optional)

WISE-DeviceOn



Key Features



All-around IP65 rating for water and dust resistance



Corrosion-proof stainless steel for harsh environments



M12 connectors protect against water and dust

Memo

UTC-542

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

- 42.5-inch 16:9 TFT LCD monitor with 1920 x 1080 resolution and 450-nit brightness
- Intel® Celeron® J1900 / Pentium® N4200 / Core™ i5-6300U processor
- Fanless, low-power system
- Dual quick-swap HDD / SSD slots with RAID 0/1 support
- Easy cable routing and management
- VESA standard (200*200 mm) mount holes for flexible installation
- Anti-glare 3H mirror coating for smart mirror and interactive augmented reality applications (optional)
- IP65-rated front panel protects against water and dust

WISE-DeviceOn



42.5" TFT LCD with Optional Mirror Coating for Diverse Display Applications



Swappable dual HDD/SSD slots for easy updates

Indoor Self-Service Kiosks



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

Application Scenarios



● Restaurant Self-Order Kiosks



● Hotel Self-Check-In Kiosks



● Cinema Self-Ticketing Kiosks



● Bank Self-Service Kiosks



● Retail Product Information Kiosks



● Supermarket Self-Checkout Kiosks



UTK-615

15.6" Mini Self-Service Kiosk

- 15.6" touch screen Full HD 1080P
- RK3288 /2G DDR3/8G ROM
- Intel® Celeron® J1900/4G DDR3/128G SSD
- Supports Android 8.1/Windows10



Desktop - wall mount

Easy for installation with standard VESA



Colorful Customized LED

Attracting attention and Stimulating consumption

Modular Design

Saving development costs with Rapid customization



- Customization cover
- 1D / 2D Scanner
- Thermal Printer
- RFID / NFC





UTK-7000 Series

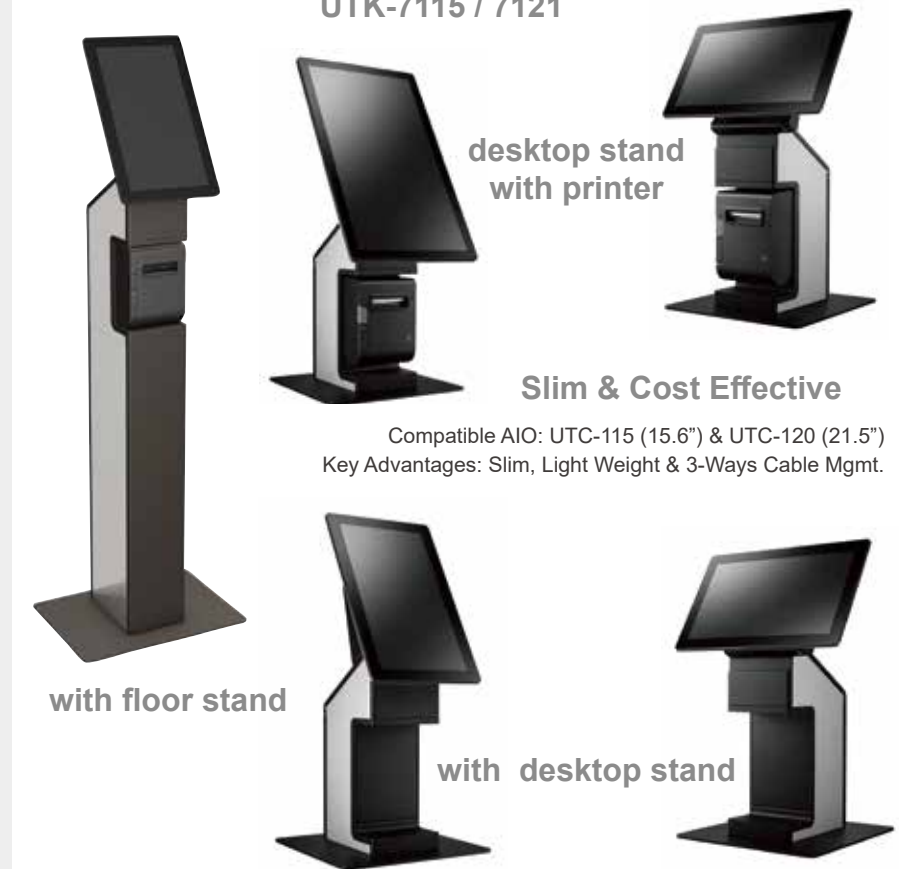
UTK-7115 / 7121

Slim and Cost Effective

- UTC-115 (15.6") & UTC-120 (21.5")
- Built-in Intel® Pentium® N4200 (G) and Core™ i5-8365UE (H), Core™ i3-8145UE
- Fanless low-power system
- Supports Advantech WISE-PaaS/RMM
- Supports Android 10 / Windows 10



UTK-7115 / 7121



desktop stand with printer

Slim & Cost Effective

Compatible AIO: UTC-115 (15.6") & UTC-120 (21.5")
Key Advantages: Slim, Light Weight & 3-Ways Cable Mgmt.

with floor stand

with desktop stand

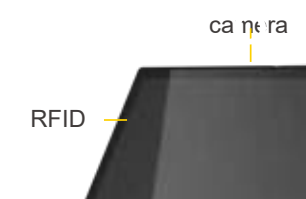
USC-130 / 160

11.6 / 15.6" ARM-based All-in-One Service Computer

- Built-in Rockchip ARM quad-core Cortex™-A17 RK3288 & dual-core Cortex™-A72/quad-core Cortex™-A53 RK3399 processor
- Supports Android 10 / Linux OS
- 16:9 widescreen with P-CAP touch control
- Various optional peripherals (MSR reader, iButton, and barcode scanner)
- IP65-rated front panel protects against water and dust
- Supports panel, wall, and VESA mounting



Key Features



Optional built-in camera and RFID



Ultra-slim and compact design



Easy cable maintenance

WISE-DeviceOn



UTK-7000 Series

UTK-7515 / 7521

Convertible, Multi-Type, All-in-One Self-Service Kiosk

- 15.6" / 21.5" 16:9 widescreen display
- Built-in Intel® Celeron® J1900 (D), Core™ i5-6300U (F), Pentium® N4200 (G) and Core™ i5-8365UE (H)
- Fanless low-power system
- Supports Advantech WISE-PaaS/RMM
- Supports Android 10 / Windows 10



UTK-7515 / 7521



desktop stand with printer

Durable & High Performance

Compatible AIO: UTC-515 (15.6") & UTC-520 (21.5")
Key Advantages: Gorilla Glass, Core-i5

with floor stand

with desktop stand

Industrial-Grade Box PCs



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

Application Scenarios



● Intelligent POS Systems



● Digital Signage Players



● Self-Service Kiosks



● Mini Server Boxes

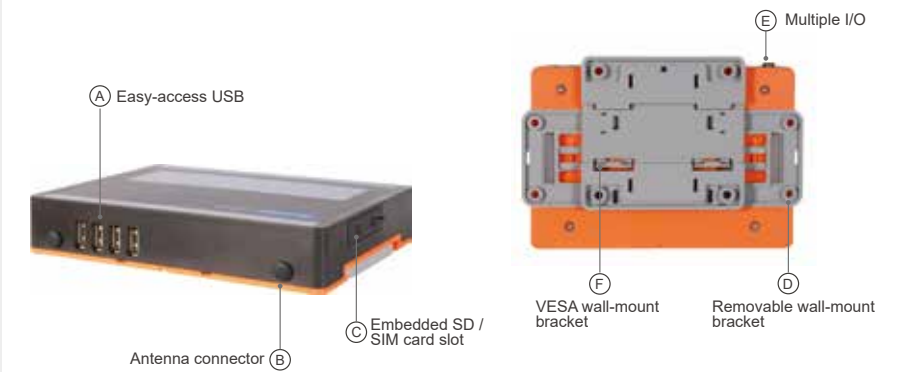


● Kitchen Display Systems

USM-110

Ultra-Compact ARM-Based Digital Signage Player

- ARM® Cortex®-A17 processor
- Supports diverse mount options for easy installation
- Dual displays at Full HD (up to 4K) resolution
- Supports Advantech WISE-PaaS and DeviceOn remote management software



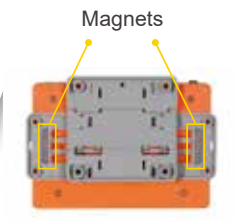
Key Features



Supports Android & Linux OS



Dual HDMI for digital signage applications



Multiple mount options (wall, pole, DIN-rail, magnet, VESA)

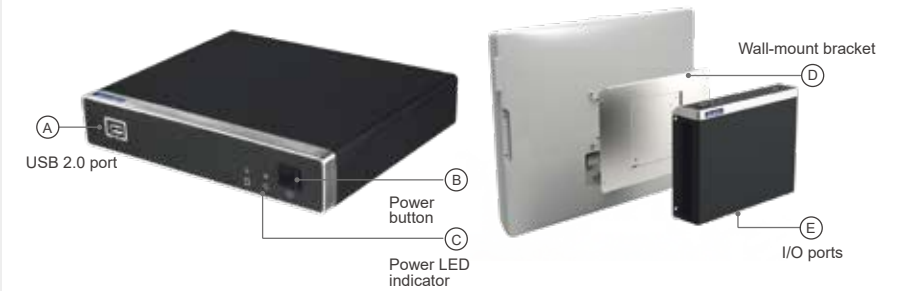


WISE-DeviceOn

UBX-110

8K Fanless x86-Based Mini Box PC

- Fanless Mini Box PC with Intel Gen 11th Processor
 - Robust Data Security
 - 8K UHD Resolution
 - Triple Display
- Fulfill office multi-tasking and signage display demands



Key Features



Slim and lightweight



Multiple I/O ports



Front-facing USB for easy maintenance



Industrial Display Systems and Solutions



The Advantech IDS Europe Series of non-touch advertising displays are designed to withstand the elements, with a 70% thinner frame, toughened safety glass and come with a protective yet sleek enclosure. Available in sizes 21.5" - 55" / 65" *SlimLINE not available in 65. Designed for continuous use these displays utilise commercial grade LCD panels. This means they can run 24/7 for over 70,000 hours. To avoid tampering they also have no external buttons or controls.

Application Scenarios



● Slimline Advertising Display



● Slimline Advertising Display



● Urban Advertising Display



● Urban Advertising Display



● Urban Advertising Display

USC-M3/M6

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

- Embedded RFID and camera
- Bezel-free panel with P-CAP touch control
- Ultra-slim (12 mm), IP65-rated front panel
- Reserved side hatch for optional peripherals
- Supports wall, panel, and VESA (75x75 mm) mounting



Key Features



Can be combined with box PCs for POS applications



Supports wall, panel, and VESA mounting



Ultra-slim and compact design

12 mm

WISE-DeviceOn

XDS42 SlimLINE

Non-Touch Advertising

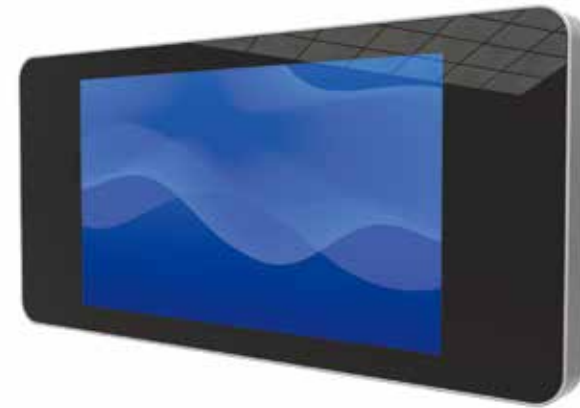
- Multiple AV Inputs
- Integrated Android Media Player
- Connect External Devices
- 24/7 Commercial Use
- Toughened Safety Glass
- Lightweight Design
- Slender Frame
- Portrait or Landscape Orientation



XDU43 URBAN

Non-Touch Outdoor Advertising

- IP65 Rated
- IK10 Rated
- Plug and Play
- Portrait or Landscape Orientation
- Wide Viewing Angle
- Anti-Reflective Glass
- 24/7 Commercial Use
- Sunlight Readable



ARM®



XDT42 - 101WP25ANS1E

10.1" POS Android PCAP Touch Screen

Small-sized touch displays, ideal for meeting room booking or POS applications.

- Android Media Player
- 10 Touch Points
- Integrated VESA Mounting Holes
- 24/7 Commercial Use
- Multi Coloured LED Frame
- Integrated Camera
- Landscape or Portrait Orientation
- Power over Ethernet
- Extend Memory with SD Card



XDT42 - 156WP25ANS1E

15.6" POS Android PCAP Touch Screen

Small-sized touch displays, ideal for meeting room booking or POS applications.

- Android Media Player
- 10 Touch Points
- Integrated VESA Mounting Holes
- 24/7 Commercial Use
- Multi Coloured LED Frame
- Integrated Camera
- Landscape or Portrait Orientation
- Power over Ethernet
- Extend Memory with SD Card
- Integrated Speakers



Digital Signage Player



Device Management

Advantech Device-On supports sensor/camera data collection, transmission, and storage. Users can also manage and control digital signage via remote KVM functions.

Content Management

WISE-PaaS/SignageCMS enables easy content layout editing, scheduling and dispatching. Its up-to-date scheduling function allows real-time information and advertising campaign management.

AI Facial Recognition

FaceView provides a 99.7% accuracy rate in TAR 1E-4, real-time facial recognition; and mask and body temperature detection features.

DS-085S

Tiger Lake UP3 Ultra-slim DS Player

- Power by Intel® Tiger Lake UP3 processor
- Powerful graphic engine - Intel® iRIS® Xe graphics
- 19mm-thin chassis ideal for space-limited installation
- 4 HDMI display output, resolution up to 4K (3840 x 2160)
- Cable-less design for easy maintenance
- Supports WISE-PaaS/DeviceOn and Embedded Software APIs
- Supports WebAccess/SignageCMS for intuitive signage content managing, remote monitoring and control
- Energy Star® certified for cutting edge energy efficiency & money saving
- With Energy Star® certified, make the product more environmental friendly(www.energystar.gov/powermanagement)
- RED certified



DS-082

AMD Ryzen™ 1000/R1000 ultra-slim, fanless DS Player 1000/R1000

- Power by AMD Ryzen V1000/R1000 processor
- Powerful graphic engine - AMD Radeon HD graphics
- 19mm-thin chassis ideal for space-limited installation
- 3/4 HDMI display output, resolution up to 4K (3840 x 2160)
- Cable-less design for easy maintenance
- Supports WISE-PaaS/RMM and Embedded Software APIs
- Supports WebAccess/SignageCMS for intuitive signage content managing, remote monitoring and control
- No RED Certification



DS-410

Fanless mini-PC for hospitality and signage applications

- Power by new Intel® Elkhart Lake J6412 CPU
- Gorgeous Design by Aluminum Die-casting Process
- Support HDMI 2.0 up to 4K (3840 x 2160), and Legacy VGA display
- Palm-sized and slim, easy and fast installation
- Power Off / Restart system/ BIOS update easily via
- DeviceOn Dashboard
- Realtime and Smart System Alert Monitoring, and Watchdog Support
- RED certified



UTC Series All-in-One Touch Computers



Product		UTC-115		UTC-120		UTC-124		
Description		15.6" ubiquitous touch computer		21.5" ubiquitous touch computer		23.8" ubiquitous touch computer		
Model		UTC-115G		UTC-115H		UTC-124G1		
System	CPU	Intel® Pentium® N4200	Intel® Core™ i5-8365UE	Intel® Pentium® N4200	Intel® Core™ i5-8365UE Intel® Core™ i3-8145UE	Intel® Pentium® N4200		
	Cache	2 MB	6 MB	2 MB	6 MB			
	Memory	1 x 204-pin SODIMM DDR3L 1600 MHz (up to 8 GB)	1 x SODIMM DDR4 2133 MHz (up to 16 GB)	1 x 204-pin SODIMM DDR3L 1600 MHz (up to 8 GB)	1 x SODIMM DDR4 2133 MHz (up to 16 GB)	1 x 204-pin SO-DIMM DDR3L 1600 MHz up to 8 GB		
	Storage	M.2 128 GB	M.2 128 GB	M.2 128 GB	M.2 128 GB	1 x M.2 2242 SSD		
	HDD	1 x 2.5 internal SATA storage		1 x 2.5 internal SATA storage		1 x 2.5 internal SATA storage		
Display	Size	15.6" FHD (HD Optional)		21.5" TFT LCD		23.8" FHD		
	Max. Resolution	1920 x 1080		1920 x 1080		1920 x 1080		
Touch-screen	Type	Projected capacitive		Projected capacitive		Projected capacitive		
		Projected capacitive		Projected capacitive		Projected capacitive		
I/O Ports	USB	4 x USB 3.0 2 x USB 3.0 (optional)		4 x USB 3.0 2 x USB 3.0 (optional)		4 x USB 3.0		
	COM	2 x RS-232 COM (COM2 RS-232 / 422 / 485)		2 x RS-232 COM (COM2 RS-232 / 422 / 485)		2 x RS-232 COM (COM2 RS-232/422/485)		
	HDMI / VGA	1 * HDMI		1 * HDMI		1 * HDMI 1.4		
	Bus Expansion	1 x M.2 key 2230, 1 x M.2 key 2242		1 x M.2 key 2230, 1 x M.2 key 2242		1 x M.2 key 2230, 1 x M.2 key 2242		
Network	LAN	2 x Gigabit Ethernet (RJ45)		2 x Gigabit Ethernet (RJ45)		2 x Gigabit Ethernet		
OS Support		Win 10 IoT, Linux, Android 10	Win 10 IoT, Linux	Win 10 IoT, Linux, Android 10	Win 10 IoT, Linux	Win 10 IoT Enterprise 64bit Android 10.1, Linux		

UTC Series All-in-One Touch Computers



Product		UTC-220		UTC-232	
Description		21.5" open-frame panel PC		31.5" open-frame panel PC	
Model		UTC-220F		UTC-220G	
System	CPU	Intel® Core™ i5-6300U	Intel® Pentium® N4200	Intel® Core™ i5-6300U	Intel® Pentium® N4200
	Cache	3 MB	2 MB	3 MB	2 MB
	Memory	2 x SODIMM DDR3L 1600 MHz (up to 16 GB)	1 x SODIMM DDR3L 1867 MHz	2 x SODIMM DDR3L 1600 MHz (up to 16 GB)	1 x SODIMM DDR3L 1867 MHz
	HDD	1 x 2.5 internal SATA HDD bay		1 x 2.5" internal SATA HDD bay	
Display	Size	21.5" TFT LCD		31.5" TFT LCD	
	Max. Resolution	1920 x 1080		1920 x 1080	
Touchscreen	Type	Projected capacitive		Projected capacitive	
		Analog 5-wire resistive		-	
		Glass panel		Glass panel	
I/O Ports	USB	2 x USB 2.0 2 x USB 3.0		2 x USB 2.0 2 x USB 3.0	
	COM	2 x RS-232 COM (RS-422 / 485 optional)		2 x RS-232 COM (RS-422 / 485 optional)	
	HDMI / VGA	1 x HDMI, 1 x VGA		1 x HDMI, 1 x VGA	
	Bus Expansion	1 x Full-size mini PCIe / mSATA		1 x Full-size mini PCIe / mSATA	
Network	LAN	2 x Gigabit Ethernet (supports Wake-on-LAN)		2 x Gigabit Ethernet (supports Wake-on-LAN)	
OS Support		Win 10 IoT, Linux	Win 10 IoT, Linux, Android	Win 10 IoT, Linux	Win 10 IoT, Linux, Android



Product		UTC-207		UTC-210	
Description		7" open-frame panel PC		10.1" open-frame panel PC	
Model		UTC-207G		UTC-210G	
System	CPU	Intel® Celeron® N3350	Intel® Pentium® N4200	Intel® Celeron® N3350	Intel® Pentium® N4200
	Cache	1 MB	2 MB	1 MB	2 MB
	Memory	1 x SODIMM DDR3L 1866 MHz (up to 8 GB)		1 x SODIMM DDR3L 1866 MHz (up to 8 GB)	
	HDD	1 x M.2242 SSD		1 x 2.5 internal SATA storage bay 1 x M.2 2242 SSD	
Display	Size	7" TFT LCD		10.1" TFT LCD	
	Max. Resolution	800 x 480		1280 x 800	
Touch-screen	Type	Projected capacitive		Projected capacitive	
		Glass panel		Glass panel	
I/O Ports	USB	2 x USB 3.0 2 x USB 3.0 (optional)		2 x USB 3.0 2 x USB 3.0 (optional)	
	COM	2 x RS-232 COM (COM2 RS-232 / 422 / 485)		2 x RS-232 COM (COM2 RS-232 / 422 / 485)	
	HDMI / VGA	-		-	
	Bus Expansion	1 x M.2 key 2230, 1 x M.2 key 2242		1 x M.2 key 2230, 1 x M.2 key 2242	
Network	LAN	2 x Gigabit Ethernet (supports Wake-on-LAN)		2 x Gigabit Ethernet (supports Wake-on-LAN)	
OS Support		Win 10 IoT, Linux, Android 10		Win 10 IoT, Linux, Android 10	



Product		UTC-307		UTC-310		UTC-315			
Description		7" ubiquitous touch computer		10.1" ubiquitous touch computer		15.6" ubiquitous touch computer			
Model		UTC-307G		UTC-310G		UTC-315D	UTC-315F	UTC-315G	UTC-315H
System	CPU	Intel® Celeron® N3350	Intel® Pentium® N4200	Intel® Celeron® N3350	Intel® Pentium® N4200	Intel® Celeron® J1900	Intel® Core™ i5-6300U	Intel® Pentium® N4200	Intel® Core™ i5-8365UE
	Cache	2 MB	2 MB	2 MB	2 MB	2M	3M	2M	3M
	Memory	1 x SODIMM DDR3L 1866 MHz (up to 8 GB)		1 x SODIMM DDR3L 1866 MHz (up to 8 GB)		1 x SODIMM DDR3L 1333 MHz (up to 8 GB)	1 x SODIMM DDR4 2133 MHz (up to 16 GB)	1 x SODIMM DDR3L 1866 MHz (up to 8 GB)	1 x SODIMM DDR4 2133MHz (up to 16G)
	HDD	-		1 x 2.5 internal SATA HDD bay		1 x 2.5 internal SATA HDD bay			
Display	Size	7" TFT LCD		10.1" TFT LCD		15.6" TFT LCD			
	Max. Resolution	800 x 480		1280 x 800		1366 x 768 (1920 x 1080 optional)		1920 x 1080	
Touchscreen	Type	Projected capacitive		ProjProjected capacitive		Projected capacitive			
		-		-		Analog 5-wire resistive			
		Glass panel		Glass panel		Glass panel			
I/O Ports	USB	2 x USB 3.0 2 x USB 3.0 (optional)		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		6 x USB 3.0
	COM	1 X RS-232, 1X RS-23 2/ 422 / 485				1 x RS-232, 1 x RS-232/422/485			
	HDMI / VGA	-		-		1			
	Bus Expansion	1 x M.2 key 2230 1 x M.2 key 2242		1 x M.2 key 2230 1 x M.2 key 2242		1 x Full-size mini PCIe / mSATA		1 x M.2 2230 / mSATA	M.2 2242 / M.2 2230
Network	LAN	2 x Gigabit Ethernet (RJ45)		2 x Gigabit Ethernet (RJ45)		2 x Gigabit Ethernet (RJ45)			
OS Support		Win 10 IoT, Linux, Android 10		Win 10 IoT, Linux, Android 10		Win 10 IoT, WEST / 8, Linux, Android 6.0	Win 10 IoT	Win 10 IoT, Android 10	Win 10 IOT Linux

UTC Series All-in-One Touch Computers



Product	UTC-318				UTC-320					
Description	18.5" ubiquitous touch computer				21.5" ubiquitous touch computer					
Model	UTC-318D	UTC-318F	UTC-318G	UTC-318H	UTC-320D	UTC-320F	UTC-320G	UTC-320H		
System	CPU	Intel® Celeron® J1900	Intel® Core™ i5-6300U	Intel® Pentium® N4200	Intel® Core™ i5-8365UE	Intel® Celeron® J1900	Intel® Core™ i5-6300U	Intel® Pentium® N4200	Intel® Core™ i5-8365UE	
	Cache	2 MB	3 MB	2 MB	3 MB	2 MB	3 MB	2 MB	3 MB	
	Memory	1 x SODIMM DDR3L 1333 MHz (up to 8 GB)	1 x SODIMM DDR4 2133 MHz (up to 16 GB)	1 x SODIMM DDR3L 1866 MHz (up to 8 GB)	1 x SODIMM DDR4 2133MHz (up to 16G)	1 x SODIMM DDR3L 1333 MHz (up to 8 GB)	1 x SODIMM DDR4 2133 MHz (up to 16 GB)	1 x SODIMM DDR3L 1866 MHz (up to 8 GB)	1 x SODIMM DDR4 2133MHz (up to 16G)	
	HDD	1 x 2.5" internal SATA HDD bay				1 x 2.5" internal SATA HDD bay				
Display	Size	18.5" TFT LCD				21.5" TFT LCD				
	Max. Resolution	1366 x 768				1920 x 1080				
Touch-screen	Type	Projected capacitive				Projected capacitive				
		Analog 5-wire resistive				Analog 5-wire resistive				
I/O Ports	USB	5 x USB 2.0		2 x USB 2.0		6 x USB3.0		5 x USB 2.0		
		1 x USB 3.0		4 x USB 3.0		1 x RS-232, 1 x RS-232 / 485		1 x RS-232, 1 x RS-232 / 485		
	COM	1 x RS-232, 1 x RS-232 / 485				1 x RS-232, 1 x RS-232 / 485				
	HDMI / VGA	1				1				
	Bus Expansion	1 x Full-size mini PCIe / mSATA		1 x M.2 2230 / mSATA		M.2 2242 / M.2 2230		1 x Full-size mini PCIe / mSATA		1 x M.2 2230 / mSATA
Network	LAN	2 x Gigabit Ethernet (RJ45)				2 x Gigabit Ethernet (RJ45)				
OS Support	Win 10 IoT, WES7 / 8, Linux, Android 6.0	Win 10 IoT Linux	Win 10 IoT, Android, Linux	Win 10 IoT Linux	Win 10 IoT, WES7 / 8, Linux, Android 6.0	Win 10 IoT WES7/8 Linux	Win 10 IoT Android 10	Win 10 IoT Linux		

UTC Series All-in-One Touch Computers



Product	UTC-520 IP65	UTC-532		UTC-542			
Description	21.5" ubiquitous touch computer	31.5" ubiquitous touch computer		42.5" ubiquitous touch computer			
Model	UTC-520F	UTC-532F	UTC-532G	UTC-542D	UTC-542F	UTC-542G	
System	CPU	Intel® Core™ i5-6300U	Intel® Core™ i5-6300U	Intel® Pentium® N4200	Intel® Celeron® J1900	Intel® Core™ i5-6300U	Intel® Pentium® N4200
	Cache	3 MB	3 MB	2 MB	2 MB	3 MB	2 MB
	Memory	2x SO-DIMM DDR3L 2133 MHz (up to 16G)	2 x 204-pin SODIMM DDR3L 1600 MHz (up to 16 GB)	1 x 204-pin SODIMM DDR3L 1867 MHz (up to 8 GB)	1 x 204 pin SODIMM DDR3L 1333 MHz (up to 8 GB)	2 x 204-pin SODIMM DDR3L 1600 Mhz (up to 16 GB)	1 x 204-pin SODIMM DDR3L 1867 MHz (up to 8 GB)
	HDD	1 x 2.5 internal SATA HDD bay	1 x 2.5 internal SATA HDD bay		Dual hot-swappable HDD / SSD slots with RAID 0,1 support		
Display	Size	21.5" TFT LCD	31.5" TFT LCD		42.5" TFT LCD		
	Max. Resolution	1920 x 1080	1920 x 1080		1920 x 1080		
Touchscreen	Type	Projected capacitive		Projected capacitive			
		Analog 5-wire resistive		Mirror glass panel (no touch function)			
I/O Ports	USB	2 x USB 2.0		2 x USB 2.0		3 x USB 2.0	
		2 x USB 3.0		2 x USB 3.0		2 x USB 3.0	
	COM	2 x RS-232 COM (RS-422 / 485)		2 x RS-232 COM (RS-422 / 485)			
	HDMI / VGA	1 x HDMI 1x VGA		1 x VGA, 1 x HDMI		1 x VGA, 1 x HDMI	
	Bus Expansion	1 x Full-size mini PCIe / mSATA		1 x Full-size mini PCIe / M.2	1 x Full-size mini PCIe / mSATA		1 x Full-size mini PCIe / M.2
Network	LAN	2 x Gigabit Ethernet (RJ45)		2 x Gigabit Ethernet			
OS Support	Win 10 IoT Enterprise Linux	Win 10 IoT, WES7 / 8, Linux	Win 10 IoT, Linux, Android 10	Win 10 IoT, WES7 / 8, Linux, Android 6	Win 10 IoT, WES7 / 8, Linux	Win 10 IoT, Linux, Android 10	

UTK Series - Indoor Self-Service Kiosks



Product	UTC-510			UTC-515			UTC-520			
Description	10.1" ubiquitous touch computer			15.6" ubiquitous touch computer			21.5" ubiquitous touch computer			
Model	UTC-510D	UTC-510G	UTC-510D(PoE)	UTC-515F	UTC-515G	UTC-515H	UTC-520F	UTC-520G	UTC-520H	
System	CPU	Intel® Atom™ E3825 / Celeron® J1900	Intel® Celeron® N3350 / Pentium® N4200	Intel® Celeron® N2807 / J1900	Intel® Core™ i3-6100U	Intel® Pentium® N4200	Intel® Core™ i3-8145UE	Intel® Core™ i5-6300U	Intel® Pentium® N4200	Intel® Core™ i5-8365UE
	Cache	1 MB/2 MB	2 MB	1 MB/2 MB	3 MB	2 MB	2 MB	3 MB	2 MB	6M
	Memory	1 x SO-DIMM DDR3L 1066 / 1333 MHz (up to 8GB)	1 x SO-DIMM DDR3L 1866 MHz (up to 8GB)	1 x SO-DIMM DDR3L 1333 MHz (up to 8GB)	2 x SO-DIMM DDR4 2133 MHz (up to 16 GB)	1 x SO-DIMM DDR3L 1866 MHz (up to 8GB)	Dual Channel / Dual Socket DDR4 2400, up to 32 GB	2 x SO-DIMM DDR4 2133 MHz (up to 16 GB)	1 x SO-DIMM DDR3L 1866 MHz (up to 8GB)	2x SO-DIMM DDR4 2400 MHz (up to 32G)
	HDD	1 x 2.5" Internal SATA HDD bay			1 x 2.5 internal SATA HDD bay			1 x 2.5 internal SATA HDD bay		
Display	Size	10.1" TFT LCD			15.6" TFT LCD			21.5" TFT LCD		
	Max. Resolution	1280 x 800			1366 x 768 (FHD 1920 x 1080 optional)			1920 x 1080		
Touch-screen	Type	Projected capacitive			Projected capacitive			Projected capacitive		
		Analog 5-wire resistive			Analog 5-wire resistive			Analog 5-wire resistive		
I/O Ports	USB	1 x USB 2.0	2 x USB 3.0	3 x USB 2.0	2 x USB 2.0		2 x USB 2.0		4 x USB3.0	
		1 x USB 3.0	2 x USB 2.0 (optional)	1 x USB 3.0 (opti.)	2 x USB 2.0		2 x USB 3.0		4 x USB 3.1	
	COM	2 x RS-232 COM (COM1 RS-422 / 485 supported)		2 x RS-232 COM (COM2 RS-422 / 485 supported)		2 x RS-232 COM (RS-422 / 485)			2 x RS-232 COM (RS-422 / 485)	
	HDMI / VGA	1 x VGA		1 x HDMI	1 x VGA, 1 x HDMI		2 x Gigabit Ethernet (RJ-45) 1 x HDMI	1 x VGA, 1 x HDMI		1 x HDMI
	Bus Expansion	1 x Half-size mini PCIe / 1 x Half-size mSATA	1 x Full-size mini PCIe / mSATA, 1 x Half-size mSATA	1 x Full-size mini PCIe / mSATA, 1 x Half-size mini PCIe	1 x Full-size mini PCIe / mSATA	1 x Full-size mini PCIe / M.2	1 x M.2 E-key 2230 1 x M.2 B-key 2280 (NVMe PCIe2), 3042 LTE module (support USB2.0 only), optional M-key 2280 NVMe PCIe4.	1 x Full-size mini PCIe / mSATA	1 x Full-size mini PCIe / M.2	1 x M.2 E-key 2230 1 x M.2 B-key 2280 (NVMe PCIe2), 3042 LTE module (support USB2.0 only), optional M-key 2280 NVMe PCIe4.
Network	LAN	1 x Gigabit Ethernet (RJ45)		2 x Gigabit Ethernet (RJ45)		2 x Gigabit Ethernet (RJ45)			2 x Gigabit Ethernet (RJ45)	
OS Support	Win 10 IoT, WES7 / 8, Linux, Android 6.0	Win 10 IoT, Linux, Android 10	Win 10 IoT, WES7 / 8, Linux, Android 6.0	Win 10 IoT, Linux	Win 10 IoT, Linux, Android 10	Win 10 IoT, Linux	Win 10 IoT, WES7 / 8, Linux	Win 10 IoT, Linux, Android 10	Win 10 IoT, Linux	

Product	UTK-615	UTK-7115		UTK-7121		UTK-7515		UTK-7521		
Description	15.6" mini self-service kiosk	15.6" all-in-one kiosk		21.5" all-in-one kiosk		15.6" all-in-one kiosk		21.5" all-in-one kiosk		
Model	UTK-615AP	UTK-7121P-G	UTK-7121P-H	UTK-7121-G	UTK-7121-H	UTK-7515P-G	UTK-7515P-H	UTK-7521P-G	UTK-7521P-H	
System	CPU	Rockchip ARM Cortex™-A17 RK3288 quad-core processor up to 1.6 GHz	Intel® Pentium® N4200	Intel® Core™ i5-8365UE	Intel® Pentium® N4200	Intel® Core™ i5-8365UE	Intel® Pentium® N4200	Intel® Core™ i3-8145UE	Intel® Pentium® N4200	Intel® Core™ i5-6300U
	Cache	-	3 MB	2 MB	-	-	L2 Cache 2MB	6MB	Intel® Atom® E3950 (Available)*	Intel® Core™ i3-6100U (Available)*
	Memory	2GB of DDR3L 1333MHz, 8GB of on board eMMC	1 x 260 pin SO-DIMM DDR4 2400 MT/s up to 16GB	1 x 204 pin SO-DIMM DDR3L 1600 MHz >8 GB	1 x 204 pin SO-DIMM DDR3L 1600 MHz up to 8 GB	1 x 260 pin SO-DIMM DDR4 2400 MT/s up to 16GB	1 x 204 pin SO-DIMM DDR3L 1867 MHz up to 8GB	Dual Channel / Dual Socket DDR4 2400 up to 32 GB	1 x SO-DIMM DDR3L 1867 MHz	2 x SO DIMM DDR3L 1600MHz up to 16 GB
	HDD	-	1 x 2.5" internal, SATA HDD bay		1 x M.2 2242 SSD / 1 x 2.5 internal SATA		1 x 2.5 internal SATA HDD bay		1 x 2.5 internal SATA HDD bay	
Display	Size	15.6" TFT LCD with LED backlight	15.6" HD / FHD optl		21.5" HD / FHD opt.		15.6" TFT LCD with LED backlight		21.5" TFT LCD with LED backlight	
	Max. Resolution	1920 x 1080	1920 x 1080 / 1366 x 768		1366 x 768 / 1920 x 1080		1366 x 768 / FHD 1920 x 1080 opt.		1920 x 1080	
Touch-screen	Type	Projected capacitive		Projected capacitive		Projected Capacitive		Projected capacitive		
		Analog 5-wire resistive		Analog Resistive 5-wires		Analog Resistive 5-wires		Analog Resistive 5-wires		
I/O Ports	USB	4 x USB 3.0 / 2 x USB 3.0 opt.		4 x USB3.0 / 2 x USB3.0 opt.		2 x USB 2.0 / 2 x USB 3.0		2 x USB 2.0, 2 x USB 3.0		
		2 x RS-232 COM		2 x RS-232 COM		2 x RS-232 COM		2 x RS-232 COM (RS-422/485)		
	HDMI / VGA	1 x micro SD, 1 x SIM, 1 x USB 2.0 1 x RS-232 COM		1 x HDMI 1.4		1 x HDMI 1.4		2 x GB Ethernet (RJ-45), 1 x VGA 1 x HDMI		
	Bus Expansion	1 x M.2 key2230, 1 x M.2 key2242		1 x M.2 key2230, 1 x M.2 key2242		Full-size MiniPCIe / M.2		1 x M.2 E-key 2230 1 x M.2 B-key 2280		
Network	LAN/Ethernet	2 x Gigabit Ethernet (RJ45)		2 x Gigabit Ethernet ports		2 x Gigabit Ethernet		2 x Gigabit Ethernet (RJ-45)		
Mounting	VESA	Desk/VESA		VESA 100 x 100 mm		VESA 100 x 100 mm		VESA 100 x 100 mm		
OS Support	Android 8.1	Win 10 IoT Enterprise 64bit Linux	Win 10 IoT Enterprise 64bit Android 10.1 Linux	Win 10 IoT Enterprise 64bit Linux	Win 10 IoT Enterprise 64bit Linux	Win 10 IoT Android 10 Linux	Win 10 IoT Linux	Win 10 IoT Enterprise, Android 10, Linux	Win 10 IoT Enterprise Linux	

UTC Pick Stand Type

Wall Mount Kit

ARES-12240-AR01100



ARES-12250-AR01100



ARES-12250-AR01100



UTC-WALL-MOUNT4E



UTC-WALL-MOUNT5E



Table Stand

UTC-520
STAND1E



UTC-300P-D



ARES-2424X-S170201



ARES-2424X-S150201



UTC-510
STAND0E



UTK-7000
table stand



Floor Stand

UTC-T01
STANDE



UTC-H01
STANDE



UTK-7000
Floor Stand



Avalo Family All-in-One Touch Computers



Model		ARM	
		USC-130	USC-160
System	CPU	Rockchip ARM® Cortex®-A17 RK3288 quad-core, up to 1.6 GHz	Rockchip ARM® Cortex®-A17 RK3288 quad-core, up to 1.6 GHz
	OS Support	Android 8.1/ 10 - Linux 18.04	Android 8.1/ 10 - Linux 18.04
Storage		1 x onboard eMMC 8 GB (up to 16 GB), 1 x micro SD (up to 32 GB)	
Display	Size	11.6" TFT LCD (1366 x 768)	15.6" TFT HD LCD (1366 x 768), 15.6" TFT FHD LCD (1920 x 1080)
	Brightness	250 cd/m ²	HD: 220 cd/m ² , FHD: 300 cd/m ²
	Touchscreen	Projected capacitive	
External I/O	COM	1 x COM (RS-232 / 485), with optional second COM that supports RS-232 only	
	USB	2 x USB 2.0 (up to 4 max.), 1 x USB OTG	
	Output	1 x HDMI	
	Ethernet	1 x RJ45	
	Cash Drawer	NA	
	Audio	1 x Mic-in	
	Speaker	1 x 2W speaker	2 x 2W speaker
OS Support Kiosk	Secondary Display	11.6" TFT LCD (Avalo stand) 15.6" 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	
Connectivity		Wi (802.11a / b / g / n / ac) or Bluetooth(4.2)	
Color		black / white	
IP Rating		IP65 (front panel)	
Dimensions (H x W x D)		296 x 190 x 35 mm / 11.65 x 7.48 x 1.37 in	384 x 239 x 34 mm / 15.11 x 9.4 x 1.33 in
Weight		2 kg / 4.4 lb	3.5 kg / 7.71 in

UTC Series Peripherals and Installation Accessories

Peripherals	Magnetic Stripe Reader	NFC / RFID Reader	Smart Card Reader	1D / 2D Barcode Reader	5MP Camera Module	Fingerprint Scanner	iBeacon
UTC-510 / 542 Series							
UTC-515 / 520 / 532 Series							
UTC-300 Series							
UTC-307 / 310 Series							
UTC-100 Series							

Avalo Family Touch Monitors



Model		USC-M3	USC-M6
Display	Type	11.6" TFT LCD with LED backlight	15.6" TFT LCD (16:9)
	Resolution	1366 x 768	HD: 1366 x 768 / FHD: 1920 x 1080
	Brightness	250 cd/m ²	HD: 250 cd/m ² / FHD: 350 cd/m ²
	Touchscreen		
External I/O	Video in	1 x VGA (D-sub 15), 1 x HDMI (optional)	1 x VGA (D-sub 15), 1 x HDMI (optional)
	Audio in		
	USB		
Control Buttons	DC-In	12V power jack	12V power jack
	Power		
	Menu		
	Up		
Miscellaneous	Down		
	Speaker	2W	2 x 2W
Optional Modules	Adapter		
	Side-Mounted Peripherals	MSR / iButton	External: MSR / iButton, camera Embedded: RFID
Mechanical & Environmental	Case Color	black / white	black / white
	Operation Temperature	0 ~ 40 °C (32 ~ 104 °F)	0 ~ 40 °C (32 ~ 104 °F)
	Humidity	10 ~ 95% @ 40 °C non-condensing	10 ~ 95% @ 40 °C non-condensing
	EMI / Safety	FCC, CE, CCC, CB, UL, BSMI	

Intelligent POS / Box PCs



Model		USM-110	UBX-110
System	Processor	Rockchip ARM® Cortex® RK-3288	Intel® 11 Tiger Lake; Celeron® i3/i5/i7 Celeron 6305E Core-i3, 1115G4E, Core-i5, 1145G7E, Core-i7, 1185G7E
	OS Support	Android 10.0, Linux 9.0	Windows 10 IoT LTSC 2021, Windows 11 IoT, Linux
Memory		2 GB	64 GB
Storage	HDD	1 x on board eMMC 16G SATA HDD / SSD bay	HDD Access (Green) *1
	mSATA	-	1
Display	Max. Res.	3840 x 2160 @ 60 HZ	Up to 8K UHD (7680 x 4320 @ 60Hz)
External I/O	Serial Port	1 x COM	DB9 *1 (RS232/485/RS422 by BIOS)
	USB Port	4 x USB 2.0, 1 x USB OTG	USB 3.2 Gen2 Type A (Blue) *2
	Output	2 x HDMI	HDMI 1/HDMI 2
	Ethernet	1 x RJ45	RJ45 *2 (LAN1-i219: 10/100/1000 Mbps; LAN 2 - i225: up to 2.5 Gbps)
	Power Input (V)	12V	12V
	Audio	1 x Line-out	1 x Line-out
	Printer Port	-	-
Others		2 x LED Indicators, 1 x SD Slot	USB-C: Support up to 8K UHD (7680 x 4320 @ 60Hz); HDMI 1/HDMI 2: Support up to 4K (4096 x 2160@60Hz), compliant with HDMI 2.0b
Extension		1 x mini PCIE (3G / 4G) / 1 x M.2 (Wi-Fi)	M.2 E-key 2230 *1
Optional	Peripherals	-	Various peripherals
Mounting	Mount Options	Wall, pole, Din-rail, magnet, VESA	Stand, wall, pole
Color		black	black

SlimLINE Series



Product	XDS42-215WN45HIS 1E	XDS42-320WN45HIS 1E	XDS42-430WN45HIS 1E	XDS42-490WN45HIS 1E	XDS42-550WN45HIS 1E
Size	21.5"	32"	43"	49"	55"
Native Resolution	1920 x 1080	1920 x 1080	1920 x 1080	U1920 x 1080	1920 x 1080
Brightness	450 cd/m ²	450 cd/m ²	450 cd/m ²	450 cd/m ²	450 cd/m ²
Viewing angles (L,R,U,D)	178°	178°	178°	178°	178°
Input/Outputs	HDMI VGA	HDMI VGA	HDMI VGA	HDMI VGA	HDMI VGA
Operating	0°C - 50°C	0°C - 50°C	0°C - 50°C	0°C - 50°C	0°C - 50°C
Storage	-30°C - 60°C	-30°C - 60°C	-30°C - 60°C	-30°C - 60°C	-30°C - 60°C
VESA	400 x 200mm	400 x 200mm	400 x 200mm	400 x 400mm / 400 x 200mm	400 x 200mm
Certification	FCC, CE, UKCA	FCC, CE, UKCA	FCC, CE, UKCA	FCC, CE, UKCA	FCC, CE, UKCA
MTBF	50,000 Hours	50,000 Hours	50,000 Hours	50,000 Hours	50,000 Hours
Weight	6.1 Kg	10.3 Kg	16.7 Kg	27.1 Kg	29.4 Kg
Outline Dimensions (WxHxD)	529.6mm x 321mm x 42.3mm	757.8mm x 452.3mm x 49.3mm	997.6mm x 585.8mm x 50.6mm	1135.2mm x 665.4mm x 63.2mm	1275mm x 750.8mm x 54.8mm
Power Supply	AC/240V	AC/240V	AC/240V	AC/240V	AC/240V
Power Consumption	20W (TYP)	50W (TYP)	45W (TYP)	70W (TYP)	121W (TYP)

XDU43 URBAN Series



Product	XDU43-215WN2KHIS 1E	XDU43-320WN2KHIS 1E	XDU43-430WN2KHIS 1E	XDU43-490WN2KHIS 1E	XDU43-550WN2KHIS 1E	XDS42-650WN45HIS 1E
Size	21.5"	32"	43"	49"	55"	45"
Native Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Brightness	2000 cd/m ²	2500 cd/m ²	2500 cd/m ²	2500 cd/m ²	2500 cd/m ²	2500 cd/m ²
Viewing angles (L,R,U,D)	178°	178°	178°	178°	178°	178°
Input/Outputs	HDMI VGA	HDMI VGA	HDMI VGA	HDMI VGA	HDMI VGA	HDMI VGA
Operating	0°C - 50°C	0°C - 50°C	0°C - 50°C	0°C - 50°C	0°C - 50°C	0°C - 50°C
Storage	-30°C - 60°C	-30°C - 60°C	-30°C - 60°C	-30°C - 60°C	-30°C - 60°C	-30°C - 60°C
VESA	400 x 200mm	400 x 200mm	400 x 200mm	400 x 400mm / 400 x 200mm	400 x 200mm	400 x 200mm
Certification	FCC, CE, UKCA	FCC, CE, UKCA	FCC, CE, UKCA	FCC, CE, UKCA	FCC, CE, UKCA	FCC, CE, UKCA
MTBF	50,000 Hours	50,000 Hours	50,000 Hours	50,000 Hours	50,000 Hours	50,000 Hours
Weight	22 Kg	40 Kg	65 Kg	82 Kg	95 Kg	115 Kg
Outline Dimensions (WxHxD)	737mm x 397mm x 120mm	1041mm x 516mm x 130.2mm	1410mm x 670mm x 140mm	1500mm x 746mm x 140mm	1637mm x 817mm x 140mm	1910mm x 990mm x 140mm
Power Supply	AC/240V	AC/240V	AC/240V	AC/240V	AC/240V	AC/240V
Power Consumption	130W (TYP)	190W (TYP)	250W (TYP)	300W (TYP)	430W (TYP)	550W (TYP)

XDT42 - Small-sized touch displays



Product	XDT42-101WP25ANS 1E	XDT42-156WP25ANS 1E
Size	21.5"	32"
Native Resolution	1920 x 1080	1920 x 1080
Brightness	450 cd/m ²	450 cd/m ²
Viewing angles (L,R,U,D)	178°	178°
Input/Outputs	HDMI VGA	HDMI VGA
Operating	0°C - 50°C	0°C - 50°C
Storage	-30°C - 60°C	-30°C - 60°C
VESA	400 x 200mm	400 x 200mm
Certification	FCC, CE, UKCA	FCC, CE, UKCA
MTBF	50,000 Hours	50,000 Hours
Weight	6.1 Kg	10.3 Kg
Outline Dimensions (WxHxD)	529.6mm x 321mm x 42.3mm	757.8mm x 452.3mm x 49.3mm
Power Supply	AC/240V	AC/240V
Power Consumption	20W (TYP)	50W (TYP)

Digital Signage Player



Model		DS-082	DS-085S	DS-410
Processor	CPU	AMD Ryzen™ V1807B, AMD Ryzen™ V1605B AMD Ryzen™ R1606G, Intel® Celeron® 6305E	Intel® Core™ i7-1165G7, Intel® Core™ i5-1135G7 Intel® Core™ i3-1115G4E, Intel® Celeron® 6305E	Intel Elkhart Lake J6412
	Bios	AMI uEFI 128Mbit	AMI uEFI 128Mbit	AMI uEFI 128Mbit
	Chipset	Integrated with CPU	Integrated with CPU	Integrated with CPU
Memory	Technology	DDR4 2400MHz	DDR4 2666MHz	DDR4 3200MHz
	Max. Capacity	32 GB (16 GB per SODIMM)	32 GB (16 GB per SODIMM)	8 GB
	Socket	2 x 260-pin SODIMM	2 x 260-pin SODIMM	2 x 260-pin SODIMM
Display	Controller	Integrated with CPU	Integrated with CPU	Integrated with CPU
	Graphics Engine	AMD Radeon HD graphics	Intel® Iris® Xe Graphics	Intel® UHD-graphics
	Graphics Memory	Shared system memory	Shared system memory	Shared system memory
	Multiple Display	4 (V series), 3 (R series)	4	2
	Interface	4 x HDMI 2.0 (V series), 3 x HDMI 2.0 (R series)	4 x HDMI 2.0	HDMI 2.0 VGA
Expansion Interface	Max. Res.	4096 x 2304 @ 60Hz	4096 x 2304 @ 60Hz	4096 x 2304 @ 60Hz
	M.2	1 x 2242 M key for storage 1 x 2230 E key for Wi-Fi	1 x 2242 M key for storage 1 x 2230 E key for Wi-Fi	1 x 2242 M key for storage 1 x 2230 E key for Wi-Fi
	MiniPCIe	-	-	-
	PCIe x16	-	-	-
	Micro SD Card	-	-	-
Ethernet	Connector	1 x RJ-45	2 x RJ-45	2 x RJ45
Audio	Connector	x SPDIF/Line-out/Mic-in with jack sense support	1 x SPDIF/Line-out/Mic-in	Pin header (Line out & mic in)
Storage	SATA/mSATA/eMMC	-	-	SATA M.2 2242 M Key
I/O	USB 3.0 / 2.0/COM	2/2/ 1 x RS-232	2/2/1	2x USB 3.2
Power		DC 19V input	DC 19V input	RJ11 connector
Environment	Operation Temperature	HDD: 0 ~ 40 °C/ 32 ~ 104 °F (with 0.7m/s airflow)	0 ~ 40 °C (with 0.7m/s airflow)	0 ~ 45 °C
Certifications	EMC / Safety	CE, FCC Class B, CCC, BSMI	CE, FCC Class B, CCC, UL, CB, CCC, BSMI, RED	CE/FCC, UKCA, UL, CB, CCC, BSMI, RED
Operating System		Microsoft Windows, Linux (optional)	Microsoft Windows, Linux (optional)	Microsoft Windows, Linux (optional)
Dimensions		180 x 190 x 19 mm/ 7.08 x 7.48 x 0.74 in	180 x 190 x 19 mm/ 7.08 x 7.48 x 0.74 in	119 x 114 x 26 mm

Memo

ARK-1000 Series: Ultra Slim Fanless Embedded Computers



Model		ARK-1221L	ARK-1250L
Processor	CPU	Intel Atom x6413E Quad Core SoC	Intel® Core i5 1145G7E/ Intel® Core i3 1115G4E
	Frequency	1.50 GHz, turbo burst up to 3.00 GHz	Intel® Core i5 1145G7E, turbo boost up to 4.1 GHz Intel® Core i3 1115G4E, turbo boost up to 3.9 GHz
	Core Number 4/4	4	4/2
	Bios	AMI EFI 256 Mbit	AMI EFI 256 Mbit
Memory	Technology	DDR4 3200 Mhz	DDR4 3200 Mhz
	Max. Capacity	32GB	64GB
	Socket	2 x 260-pin SO-DIMM	2 x 260-pin SO-DIMM
Display	Chipset	Intel® UHD Graphics for 10th Gen Intel® Processors	Intel 12th gen. Graphics
	VGA	-	1, up to 1920 x 1080 @ 60Hz
	DDI	1 x lockable HDMI 1.4b, 4096 x 2160 @ 24Hz; 1 x DP 1.2, 4096 x 2304 @ 60Hz	1 x lockable HDMI 2.0b: 4096 x 2160 @ 60Hz
	Multiple Display	Dual (HDMI+DP)	Dual (HDMI+VGA)
Expansion Interface	Mini PCIe	1 x Full-size mPCIe	1 x Full-size MiniPCIe
	M.2	1 x M2. 2230 E key and 1 x M.2 2280 B key with nano SIM holder	1 x M2. 2230 E key and 1 x M.2 3052 B key with nano SIM holder
	SIM socket	1 (Nano SIM)	1 (Nano SIM)
Ethernet	Controller	GbE 1 : Intel i210, GbE 2 : Intel i210	GbE 1: Intel i210, GbE 2: Intel i219, GbE 3: Intel i225
	Speed	10/ 100/ 1000 Mbps	10/ 100/ 1000 Mbps
Audio	Audio Interface	HD Audio	HD Audio
	CODEC	ALC-888S-VD2-GR	ALC-888S-VD2-GR
	Connector	Line out or Mic-in	Line out or Mic-in
Storage	SATA / mSATA	1 x 2.5" SATA drive bay / 1 x Full-size mSATA (*share with mPCIe slot)	1 x 2.5" SATA drive bay / 1 x Full-size mSATA (*share with mPCIe slot)
WatchDog Timer		Yes	Yes
I/O	Interfaces	2 x USB3.1 / 2 x USB2.0 / GPIO 0-bit Programmable DIO / COM Port 2x RS-232/422/485	3 x USB3.1 / 3 x USB2.0 / GPIO 0-bit Programmable DIO / COM Port 4 x RS-232/422/485 (COM1 share with optional, CANBUS, COM1 switch to CANBUS by jumper)
Power	Power Type	ATX (Default)/ AT	ATX (Default)/ AT
	Power Supply Voltage	12 ~ 28 VDC	12 ~ 24 VDC
	Connector	3-pin terminal block	3-pin terminal block
	Power Adaptor	Lockable AC to DC, DC24 V/2.5 A, 60 W (Optional)	AC to DC, 90W adaptor built-in

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