

# UTK-7521

**21.5" Slim Tabletop Kiosk**  
**Intel® Core™ i5-6300U**  
**Intel® Pentium® N4200**

**NEW**



DeviceOn/iService

## Features

- Low power consumption and fanless design
- Built-in Intel® Core™ i5-6300U processor
- Built-in Intel® Pentium® N4200 processor
- 21.5" monitor with 16:9 widescreen display
- IP65-rated front panel for water and dust resistance
- Rich I/O and diverse peripheral options
- Aluminum frame with side groove design for flexible peripheral installation
- Support Windows, Android, and Linux operating systems
- Floor stand tower available
- Support DeviceOn/iService software for remote device management

CE FCC

## Introduction

Advantech's UTK-7521 is a smart, modular kiosk system you build with an Advantech's UTC-500 series touch computer, diverse components, and various types of stands to meet every unique need. Powered by a sixth-generation Intel® processor and equipped with up to 16GB of memory, the UTK-7521 series deliver excellent performance to support various self-service applications. Designed to meet diverse needs and requirements of self-service applications, Advantech UTK-7521 series offer flexible configuration and installation options, making it the perfect kiosk for businesses that require tailored solutions.

Moreover, Advantech DeviceOn/iService Software is a next-generation unified device management unified device management solution based on the WISE-DeviceOn platform. With support for batch operations and multi-device control, DeviceOn/iService enables easy device configuration and deployment for convenient remote device management.

## Specifications

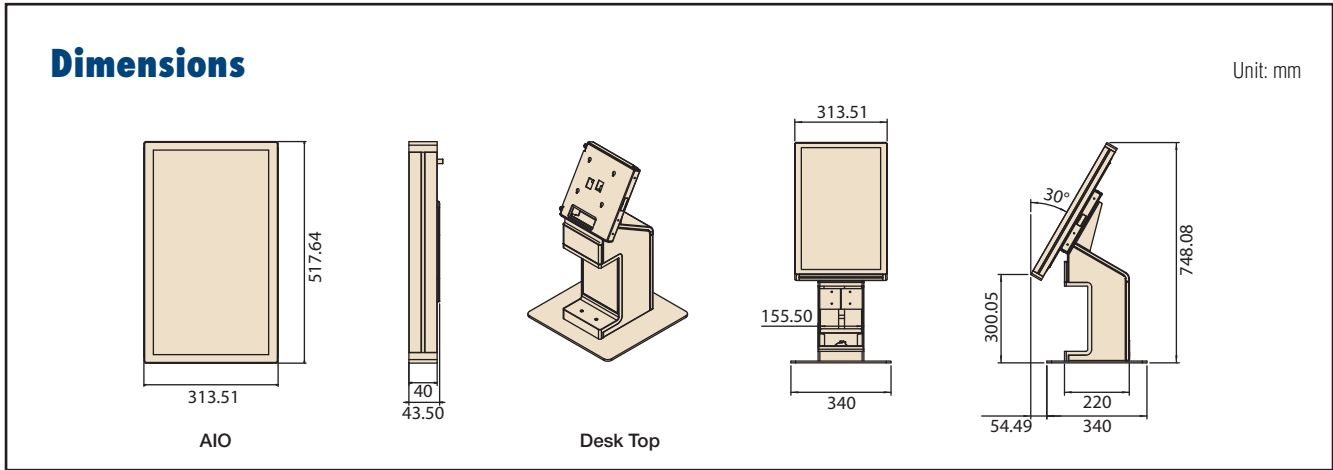
		UTK-7521P-H	UTK-7521P-G	
AIO	Processor System	CPU	Intel® Core™ i5-6300U Intel® Core™ i3-6100U (Available)*	Intel® Pentium® N4200 Intel® Atom® E3950 (Available)*
		Base Frequency	2.4GHz (Dual-Core)	1.1 GHz (N4200/Quad-Core) 1.6 GHz (E3950/Quad-Core)
		Cache	L3 Cache 3MB	L2 Cache 2MB
		Memory	2 x SO DIMM DDR3L 1600MHz up to 16 GB	1 x SO-DIMM DDR3L 1867 MHz
		HDD	1 x 2.5 internal SATA HDD bay	1 x 2.5 internal SATA HDD bay
		Network (LAN)	2 x Gigabit Ethernet ports (Supports Wake on LAN)	
		Bus expansion	Full-size MiniPCIe/mSATA	
		Dimensions (W x H x D)	5748 x 340 x 340 (mm)	
	Weight	18 kg		
	OS Support	WES 7P 32bit WES 7E 32bit Windows Pro Embedded 7 SP1 64bit WE8S 64bit Windows Embedded 8.1 Industry Pro 64bit Win 10 IoT Enterprise Linux Ubuntu 16.04	Win 10 IoT Enterprise Android 6.0 Linux Ubuntu 17.04	
Environmental Specifications	Operating Temperature	0 ~ 40° C (32 ~ 104° F)		
	Relative Humidity	10 ~ 95% @ 40° C non-condensing		
	Vibration	0.5G		
	Shock	5G peak acceleration (11 msec. duration)		
	EMC/ Safety	CE, FCC		
	Front Panel Protection	IP65/ NEMA4 Compliant		
Power Supply	Input Rating	12 V/7 A (84 W ITE Adapter)		
	Power consumption	Typical 45W Max. 65W		
LCD Display	Size/Type	21.5" TFT LCD with LED backlight (15.6" Available)*		
	Max. Resolution	1920 x 1080		
	Max. Color	16.7M		
	Pixel Pitch (um)	248.25 x 248.25		
	Brightness (cd/m <sup>2</sup> )	250 (Optional 400)		
View Angle	178°/178°			

**Specifications (Cont.)**

AIO	Touch Screen Option (PE/RE/GE)	Type	Projected Capacitive. Analog Resistive 5-wires / Glass Panel
		Light Transmission	80% ± 2% / 80% ± 5% / 90%
AIO	IO	Controller	USB Interface
			2 x RS-232 COM (RS-422/485)* 2 x USB 2.0 2 x USB 3.0 2 x Gigabit Ethernet (RJ-45) 1 x VGA & HDMI Audio Line-out x 1, Mic-in x 1
Desk top		Dimension	155.5 x 543.25 x 220 mm
		Compatible printer	Epson TM-T88V
		Weight	10.64 kg
Floor stand		Dimension	155.5 x 734.49 x 220 mm
		Weight	9.99 kg
DeviceOn/iService Remote Device Management		Operating System	Windows 10
		Common Controls (Reboot, Shutdown)	✓
		Remote desktop	✓ (VNC)
		Audio Controls	✓*
		Connection Status	✓
		Hardware Status	✓*
		Hard Disk Status	✓*
		Batch Operation Support	✓
		OTA Storage Management	FTP
		OTA Software Updates	✓
		Software Watchlist	✓
		Software Start/Stop	✓*
		Peripherals Watchlist	✓*

\*Dependant on device model

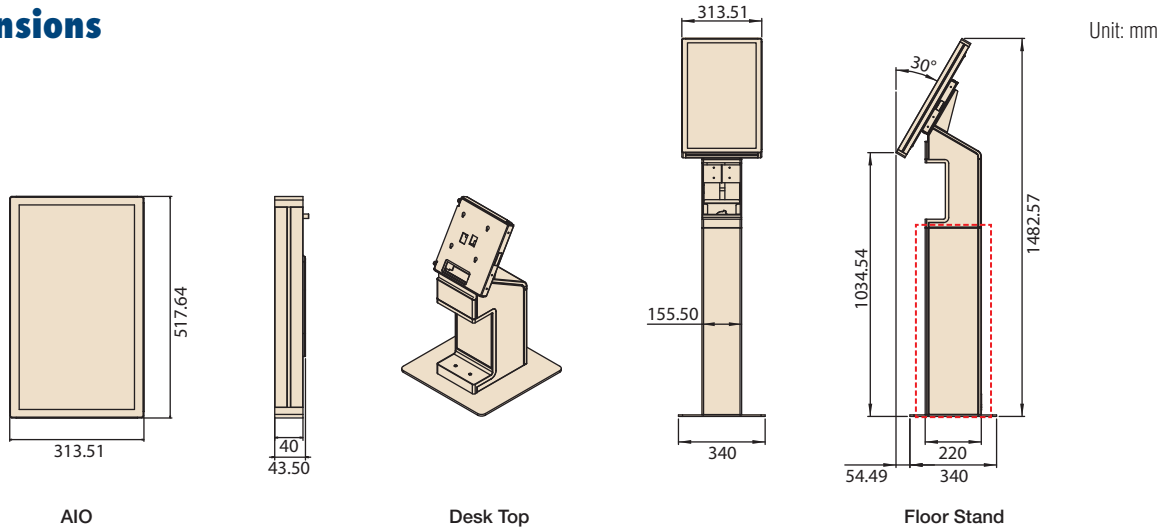
Note: DeviceOn/iService software must be downloaded from the Advantech website at <https://www.advantech.com/search/?q=DeviceOn%2FiService&st=support&sst=Utility>



**Desk top ordering information**

Item	Part Number	Description
AIO	UTC-520FP-ATBOE	21.5" PCT.T/S with core i5 6300U, 4GB RAM
AIO	UTC-520GP-ATBOE	21.5" PCT.T/S with core Pentium N4200, 4GB RAM
Desk Top	96PD-00824	Desktop stand for UTK-700

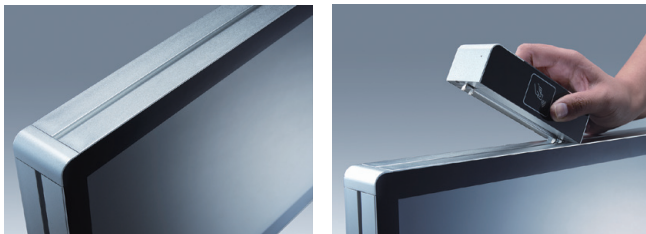
## Dimensions



## Floor stand ordering information

Item	Part Number	Description
AIO	UTC-520FP-ATB0E	21.5" PCT.T/S with core i5 6300U, 4GB RAM
AIO	UTC-520GP-ATB0E	21.5" PCT.T/S with core Pentium N4200, 4GB RAM
Desk Top	96PD-00824	Desktop stand for UTK-700
Floor Stand	96PD-00825	Extension stand for UTK-700

Side groove design for Flexible peripheral device



## Peripherals for UTC-500(AIO system) series

Part No.	Description
UTC-P02-A0E	Magnet Strip Reader For UTC-5XX (USB connection)
UTC-P03-A1E	RFID Reader For UTC-5XX (USB connection)
UTC-P06-A2E	Smart Card Reader For UTC-5XX (USB connection)
UTC-P07-A4E	2D Barcode Module (Honeywell) for UTC-500 Series (USB connection)
UTC-P09-A0E	Fingerprint reader for UTC-5xx (USB connection)
UTC-P21-A2E	4 in 1 Modules Barcode reader + RFID + Card reader + MSR

# DeviceOn/iService

## Unified Remote Device Management Software



### Features

- Supports Advantech devices equipped with Windows, Android, and Linux OS
- Flexible device, location, user, and permissions management
- Enables remote monitoring and control of hardware, software, and peripherals
- Supports over-the-air (OTA) firmware and software updates
- Ensures quick, easy, and secure device onboarding
- RESTful APIs for third-party system integration

### Introduction

Advantech's DeviceOn/iService is a next-generation unified device management solution based on the WISE-DeviceOn platform. Designed to enable centralized monitoring and remote management, DeviceOn/iService supports Advantech devices equipped with Windows, Linux, or Android operating systems. The software also supports the management of applications and integrated peripherals, such as a barcode scanner, card reader, camera, and printer. Users can remotely access and control connected devices, take screenshots, rollout OTA upgrades, and use remote desktop capabilities for troubleshooting from any location at any time. Moreover, DeviceOn/iService supports batch operations to facilitate the management of multiple devices simultaneously for easy and convenient device configuration and deployment.

### Total Management



#### Devices & Hardware

- Windows, Linux, Android
- Hardware, storage, battery



#### Software & Peripherals

- Software monitoring & access
- Screens, USB devices, printers



#### Open for Expansion

- Peripheral integration
- Open APIs for integration

### Remote Access



#### Real-Time Monitoring

- Connection/hardware status
- Software/peripheral status
- Failure notifications



#### Remote Controls

- Power controls
- Audio, backlight controls
- Software controls



#### Troubleshooting

- Screenshots
- Remote desktop support

### Operational Efficiency



#### OTA updates

- System/software updates
- File repository management
- App store



#### Batch Controls

- 1-to-many batch reboot, etc.
- Time-saving tasks



#### Setup Booster

- Software/peripheral watchlist
- Roles, rule templates

Note: Some functions may vary according to the product

### System Architecture

