

UTK-7121

21.5" Slim Tabletop Kiosk
Intel® Core™ i5-8365UE
Intel® Pentium® N4200

NEW



DeviceOn/iService

Features

- Low power consumption and fanless design
- Built-in Intel® Core™ i5-8365UE 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
- Plastic enclosure 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-7121 is a smart, modular kiosk system you build with an Advantech's UTC-100 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-7121 series deliver excellent performance to support various self-service applications. Designed to meet diverse needs and requirements of self-service applications, Advantech UTK-7121 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.

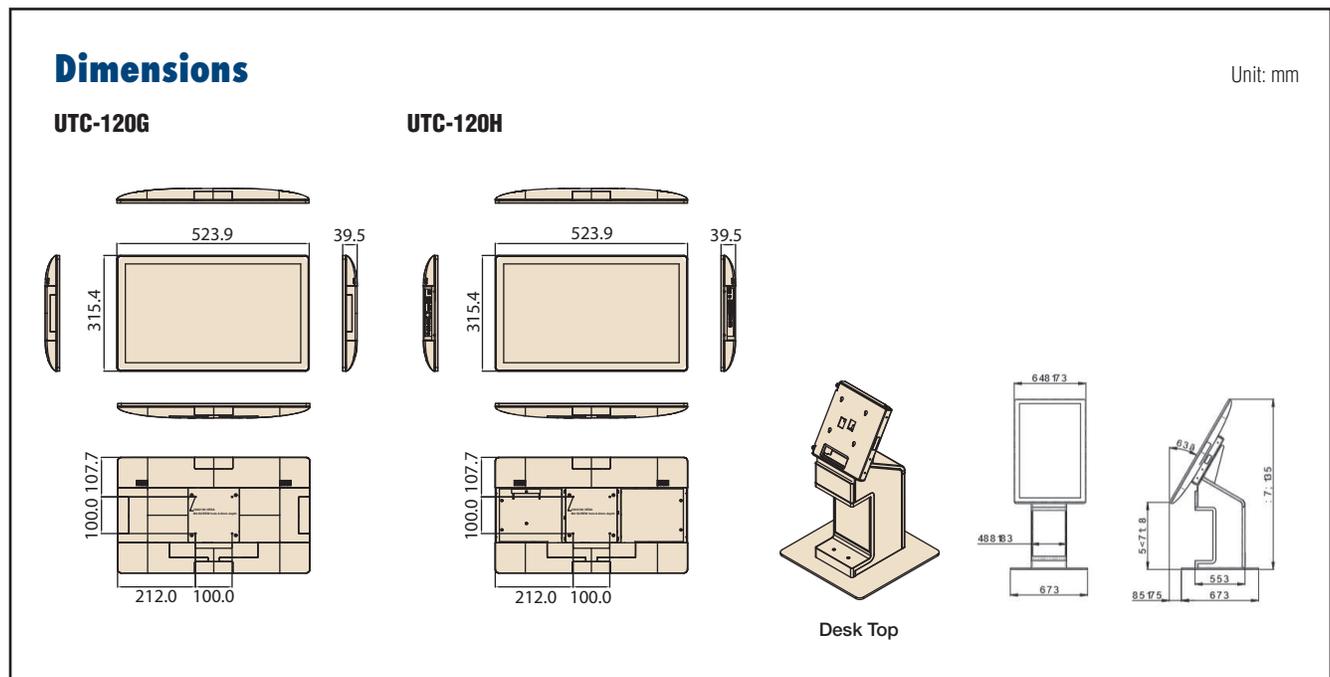
Specifications

	UTK-7121-G	UTK-7121-H	
Process system	CPU	Intel® Pentium® N4200 (UTC-120G)	Intel® Core™ i5-8365UE (UTC-120H)
	Base/Burst Frequency	1.10Ghz/2.50Ghz (Quad-Core)	1.10 GHz (Quad-Core)
	Memory	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
	Storage	1 x M.2 2242 SSD / 1 x 2.5 internal SATA storage	M.2 2242/2280 SSD
	Network	2 x Gigabit Ethernet ports	2 x Gigabit Ethernet ports
	I/O Ports	2 x RS-232 COM (COM2 RS-232/422/485)	2 x RS-232 COM (COM2 RS-232/422/485)
		4 x USB3.0 / 2 x USB3.0 (optional)	4 x USB3.0
		2 x Gigabit Ethernet ports	2 x Gigabit Ethernet ports
		1 x HDMI 1.4	1 x HDMI 1.4
		1 x Audio Phone Jack	1 x Audio Phone Jack
	Stereo Speaker	2 x 2W	2 x 2W
Bus expansion	1 x M.2 key2230, 1 x M.2 key2242	1 x M.2 key2230, 1 x M.2 key2242	
Mounting	VESA 100 x 100 mm (Screw Size, M4, 7mm)	VESA 100 x 100 mm (Screw Size, M4, 7mm)	
Dimension (WxHxD)	523.9 x 315.4 x 39.5	523.9 x 315.4 x 39.5	
Weight	5.29Kg	5.29kg	
OS Support	Win 10 IoT Enterprise 64bit Android 10.1 Linux Ubuntu 20.04	Win 10 IoT Enterprise 64bit Linux Ubuntu 18.04	
Environment Specification	Operating temperature	0 ~ 40 °C (32 ~ 104 °F)*	0 ~ 35 °C (32 ~ 95 °F)*
	Relative Humidity	10 ~ 95% @ 40 °C non-condensing	10 ~ 95% @ 40 °C non-condensing
	Vibration	0.5G	0.5G
	Shock	10G peak acceleration (11 msec. duration)	Shock 10G peak acceleration(11 msec. duration)
	Certification	CE, FCC, CB, UL, CCC, BSMI	CE, FCC, CB, UL, CCC, BSMI
	Front Panel Protection	IP 65 Compliant	IP 65 Compliant
Power Supply	DC Input Rating	12V/5A-24V/2.5A, 60W ITE Adapter	12V/7A (84W ITE Adapter)
	PoE	IEEE 802.3at/30W (Optional)	n/a
	Power consumption	26W	45W
LCD Display	Size/Type	21.5" FHD	21.5" FHD
	Max.Resolution	1920 x 1080	1920 x 1080
	Max. Color	16.7M	16.7M
	Pixel Pitch (um)	248.25(H) x 248.25(V)	248.25(H) x 248.25(V)
	Brightness (cd/m2)	250/400	250/400
Touch Screen Option	View Angle	178°/178°	178°/178°
	Type	Projected Capacitive.	Projected Capacitive.
	Light Transmission	> 85%	> 85%
	Controller	USB Interface	USB Interface

Specifications (Cont.)

DeviceOn/iService Remote Device Management	Operating System	Windows 10
	Common Controls (Reboot, Shutdown)	✓
	Remote desktop	✓(VNC)
	Device-Specific Controls (Audio)	✓*
	Connection Status	✓
	Hardware Status	✓*
	Hard Disk Status	✓*
	Batch Operation Support	✓
	OTA Storage Management	FTP
	OTA Software Updates	✓
	Software Watchlist	✓
	Software Start/Stop	✓*
	Kiosk Mode	
Dependent on device model	Peripherals Watchlist	✓

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

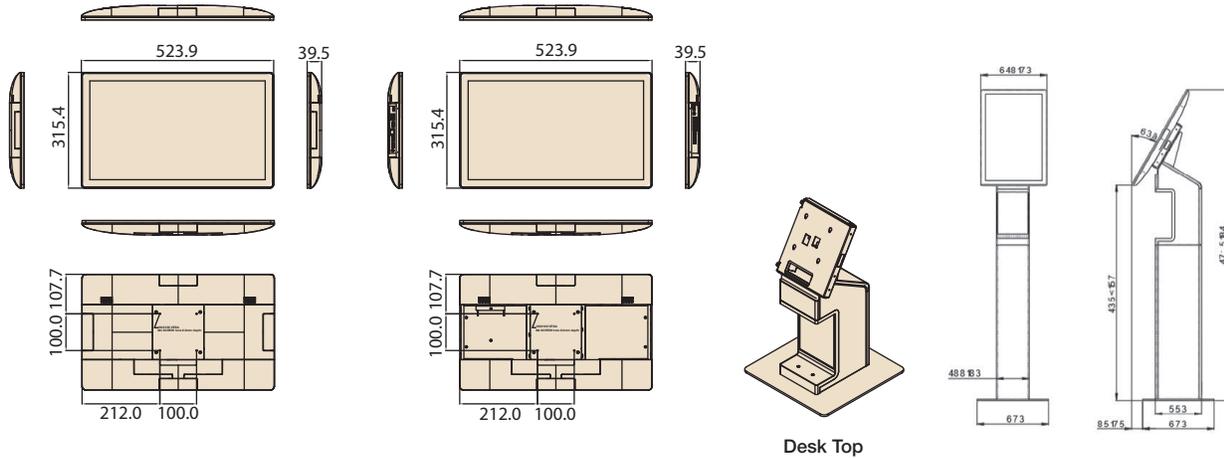
Item	Part Number	Description
UTC-120G	UTC-120GP-NWW0E	21.5" Pcap w/ Pentium N4200, 4G RAM, 128G TLC
UTC-120G	UTC-120GP-WWW1E	21.5" Pcap w/ Pentium N4200, 4G RAM, 128G TLC, Wifi, Win 10 LTSC
UTC-120G	UTC-120GP-AWW1E	21.5" Pcap w/ Pentium N4200, 4G RAM, 128G TLC, Wifi, Android
UTC-120G	UTC-120GP-WUS1E	FHD, N4200, 4G, 128G, Win10, Wifi, PWC
UTC-120G	UTC-120GP-NUS1E	FHD, N4200, 4G, 128G, Wifi, PWC
UTC-120G	UTC-120GP-WCN1E	FHD, N4200, 4G, 128G, Wifi
UTC-120G	UTC-120GP-NCN0E	FHD, N4200, 4G, 128G
UTC-120H	UTC-120HP-NWW0E	21.5" FHD, Pcap, i5-8365, 4G RAM, 128G SSD, Silver
UTC-120H	UTC-120HP-WWW1E	21.5" FHD, Pcap, i5-8365, 4G RAM, 128G SSD, Win10, Wifi/BT, Silver
UTC-120H	UTC-120HP-WUS1E	21.5" FHD, Pcap, i5-8365, 8G RAM, 128G SSD, Win10, Wifi/BT, Power cord, Silver
UTC-120H	UTC-120HP-NUS1E	21.5" FHD, Pcap, i5-8365, 8G RAM, 128G SSD, Wifi/BT, Power cord, Silver
UTC-120H	UTC-120HP-WEU1E	21.5" Pcap, FHD, i3-8145UE, 8G RAM, 128G SSD, Win10, WF, S
UTC-120H	UTC-120HP-WEF1E	21.5" Pcap, FHD, i3-8145UE, 8G RAM, 128G SSD, Wifi, Win10
UTC-120H	UTC-120HP-NCN1E	21.5" Pcap, FHD, i3-8145UE, 4G RAM, 128G SSD, WF
Desktop stand	96PD-00824	Desktop stand for UTK-700 (Epson TM-T88V printer bracket included)

Dimensions

Unit: mm

UTC-120G

UTC-120H



Floor stand ordering information

Item	Part Number	Description
Desktop stand	96PD-00824	Desktop stand for UTK-700 (Epson TM-T88V printer bracket included)
Floor Stand	96PD-00825	Extension stand for UTK-700

Peripheral Mountable on All 4 Sides



Peripherals for UTC-100(AIO system) series

Part No.	Description
UTC-100P-B11E	2D Barcode Scanner for UTC-115/120
UTC-100P-C10E	5M Camera for UTC-115/120
UTC-100P-R10E	RFID Scanner for UTC-115/120
UTC-100P-M10E	MSR Reader for UTC-115/120
UTC-100P-S10E	Smart Card Reader for UTC-115/120
UTC-100P-L10E	LED Light Bar for UTC-115/120
UTC-100P-F10E	Finger Print Reader for UTC-115/120
UTC-100P-T10E	Thermal Camera for UTC-115/120

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

