UTK-7515

15.6" Slim Tabletop Kiosk
Intel® Core™ i3-8145UE
Intel® Pentium® N4200

DeviceOn/iService

Features

- Low power consumption and fanless design
- Built-in Intel® Core™ i3-8145UE
- Built-in Intel® Pentium® N4200 processor
- 15.6" 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-7515 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-7515 series deliver excellent performance to support various self-service applications. Designed to meet diverse needs and requirements of self-service applications, Advantech UTK-7515 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-7515P-H	UTK-7515P-G
Processor System	CPU	Intel® Core™ i3-8145UE (UTC-515H) Intel® Core™ i5-8365UE (Optional)* Intel® Core™ i7-8665UE (Optional)*	Intel® Pentium® N4200 (UTC-515G)
	Base Frequency	1.60 GHz (Quad-core)	1.1 GHz (N4200/Quad-Core)
	LLC	6MB	L2 Cache 2MB
	Memory	Dual Channel / Dual Socket DDR4 2400 up to 32 GB	1 x 204 pin SO-DIMM DDR3L 1867 MHz up to 8GB
	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)	2 x Gigabit Ethernet ports (Supports Wake on LAN)
	I/O ports	2 x RS-232 COM (RS-422/485)* 4 x USB 3.1 2 x Gigabit Ethernet (RJ-45) 1 x HDMI Audio Line-out x 1, Mic-in x1	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 1 x HDMI Audio Line-out x 1, Mic-in x 1
	Stereo Speaker	1 W x 2	1 W x 2
	Bus expansion	1 x M.2 E-key 2230 1 x M.2 B-key 2280 (NVMe PCIex2), 3042 LTE module (support USB2.0 only), optional M-key 2280 NVMe PCIex4	Full-size MiniPCIe / M.2
	Mounting	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)
	Weight	4.85 kg (10.67 lb)	4.85 kg (10.67 lb)
Board Feature	Watchdog Timer	65536 level, 0~65535 sec	
	TPM	TPM2.0 (SLB9670XQ2.0)	
OS Support		Win 10 IoT Enterprise	Win 10 IoT Enterprise Android 10 Linux Ubuntu 18.04

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Specifications (Cont.)

Environmental Specifications	Operating Temperature	0 ~ 40° C (32 ~ 104° F)	0 ~ 40° C (32 ~ 104° F)
	Relative Humidity	10 ~ 95% @ 40° C non-condensing	10 ~ 95% @ 40° C non-condensing
	Vibration	0.5G	0.5G
	Shock	5G peak acceleration (11 msec. duration)	5G peak acceleration (11 msec. duration)
	EMC/ Safety	CE (No RED certification), EN 61000-6-2: 2005 / AC: 2005, FCC, UL, CB, CCC, BSMI	CE (RED Compliance), EN 61000-6-2: 2005 / AC: 2005, FCC, CB, UL, CCC, BSMI
	Front Panel Protection	IP65/ NEMA4 Compliant	IP65/ NEMA4 Compliant
Power Supply	Input Rating	12 V/5 A (60 W ITE Adapter)	12 V/5 A (60 W ITE Adapter)
	Power consumption	Typical 40W Max. 50W	Typical 35W Max. 40W
LCD Display	Size/Type	15.6" TFT LCD with LED backlight	15.6" TFT LCD with LED backlight
	Max.Resolution	1366 x 768 (FHD 1920 x 1080 Optional)	1366 x 768 (FHD 1920 x 1080 Optional)
	Max. Color	16.7M	16.7M
	Pixel Pitch (um)	252 (H) x 252 (V)	252 x 252
	Brightness (cd/m²)	400 nits	400
	View Angle	178°/178°	170°/160°
Touch Screen Option (PE/RE/GE)	Type	Projected Capacitive. Anti-Glare Available	Projected Capacitive. Analog Resistive 5-wires / Glass Panel
	Light Transmission	90% ± 2% / 80% ± 5% / 90%	90% ± 2% / 80% ± 5% / 90%
	Controller	USB Interface	USB Interface / USB Interface / -
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	✓	
*Dependant on device model	Software Start/Stop	✓*	

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

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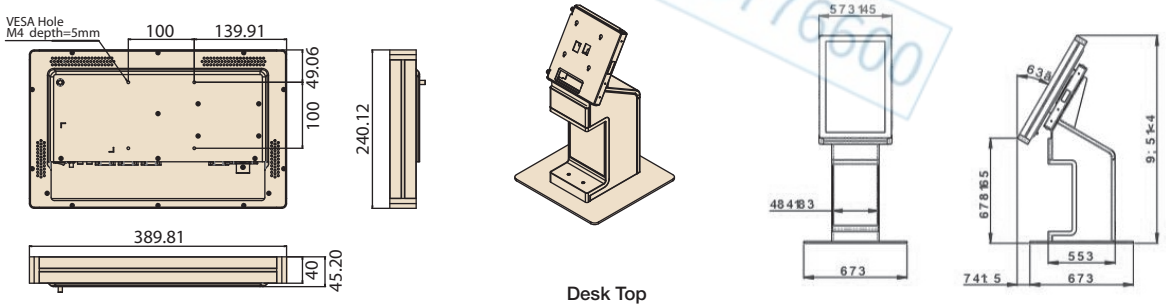
Dimensions

Unit: mm

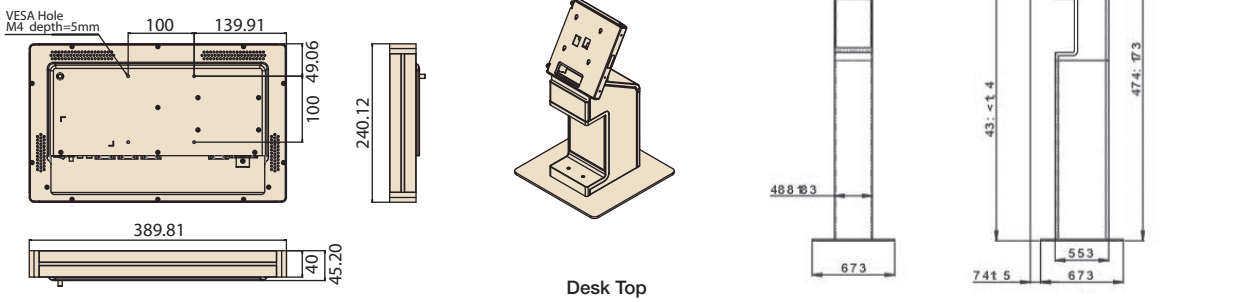


Desk top ordering information

Item	Part Number	Description
AIO	UTC-515GP-ATB0E	15.6" Intel® Pentium® N4200 Based fanless UTC with PCT.T/S. 4 GB RAM
AIO	UTC-515HP-ATB0E	15.6" Intel® Core™ i3-8145UE Based fanless UTC with 7H PCT.T/S. 4 GB RAM
Desk Top	96PD-00824	Desktop stand for UTK-700

Dimensions

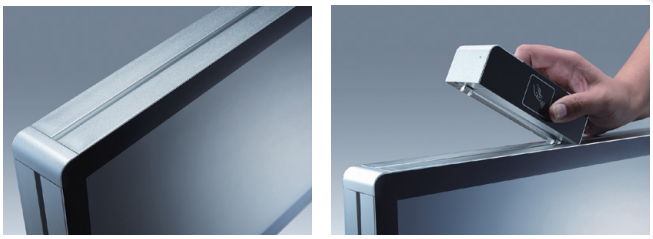
Unit: mm



Floor stand ordering information

Item	Part Number	Description
AIO	UTC-515GP-ATB0E	15.6" Intel® Pentium® N4200 Based fanless UTC with PCT.T/S. 4 GB RAM
AIO	UTC-515HP-ATB0E	15.6" Intel® Core™ i3-8145UE Based fanless UTC with 7H PCT.T/S. 4 GB 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

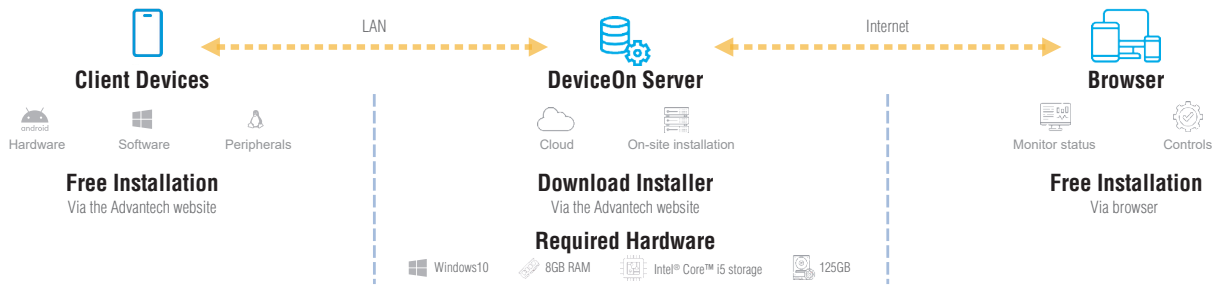
Troubleshooting
- Screenshots
- Remote desktop support

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