UTC-515

15.6" Ubiquitous Touch Computer
UTC-515I with 11th Gen Intel Core i3/i5/i7 Processor

DeviceOn/iService

Features

- Low-power, fanless system design
- Built-in Intel® Core™ i5-1145G7E (Default)
- 15.6" monitor with 16:9 widescreen display
- IP65-rated front panel for water and dust resistance
- All-in-one aluminum extrusion design
- Supports both landscape and portrait screen orientations
- VESA 100 mm standard mounting holes for varied mounting demands
- Side groove design for integrating peripherals
- Optional Full HD (1920 x 1080) LCD panel
- Support DeviceOn/iService software for remote device management
- i3 and i7 sku are available for I platform
- Supports TPM 2.0

Introduction

UTC-515 is an all-in-one computer with an Intel® Core™ i5-1145G7E processor, widescreen LCD touch panel, and side grove design for integrating optional peripherals. Designed for diverse self-service, content broadcasting, and interactive signage applications, UTC-515 systems can be deployed in a wide range of usage scenarios for enhancing enhance customer satisfaction, furthering brand equity, and maximizing business profits. Advantech's DeviceOn/iServiceis a next-generation unified device management solution based on the WISE-DeviceOnplatform. 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

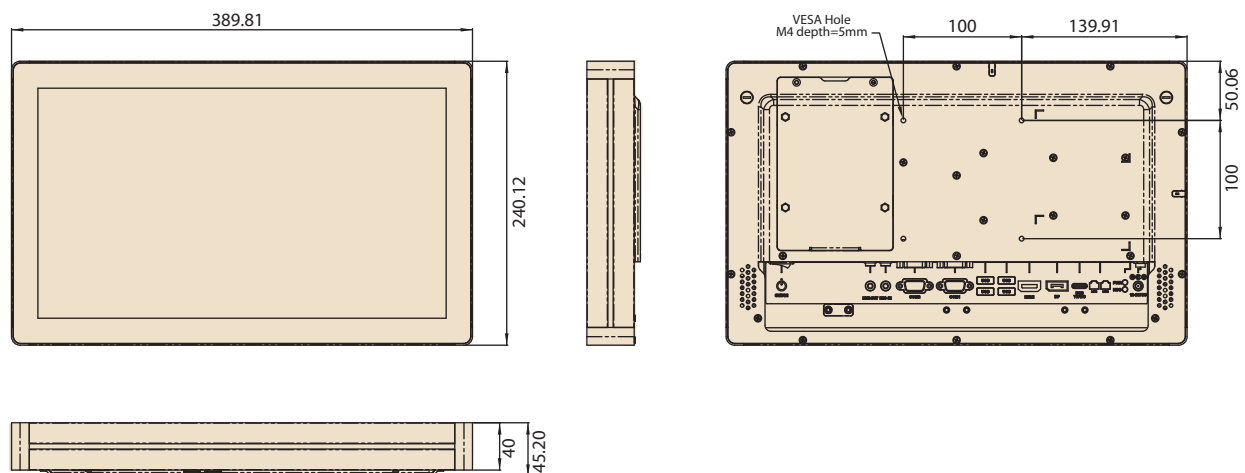| Model		UTC-515I
System	CPU	Intel® Core™ i5-1145G7E(Default) Intel® Core™ i3-1115G4E Intel® Core™ i7-1185G7E
	Base Frequency	1.50/ 2.6 GHz/ Quad Core
	Cache	L3 Cache 8MB
	Memory	2 x 260 pin SO-DIMM DDR4-3200 up to 64GB
	HDD	1 x 2.5 internal SATA HDD bay
	I/O	2 x GbE, LAN1: Intel i219LM, LAN2: Intel i210AT/IT for industrial grade 1 x HDMI 2.0b, up to 4Kx2Kx24bpp@60Hz 1 x DP1.4a, up to 4096x2304x36bpp@60Hz or 5120x3200x24bpp@60Hz 2 x RS-232/422/485 1 x Audio Line-out 1 x Mic-in 4 x USB3.2 Gen. 2x1 10Gbps 1 x USB type-C, USB3.2 Gen. 2x2 20Gbps, support DP1.4a via Alt. Mode
	Stereo Speaker	2 x 2W
	Expansion	1 x M.2 E-Key 2230(PCIe x 1, USB2.0, I2C) 1 x M.2 B-Key 3042 (USB2.0) w/ Nano-SIM 1 x M.2 M-Key 2280 (PCIe x4 Gen.4 for PCIe SSD), optional SATA
Mechanical	Mount Options	VESA 100 x 100 mm
	Dimensions (W x H x D)	389.81 x 240.12 x 45.20 mm
	Weight	4.85 kg (10.67 lb)
Board Features	Watchdog Timer	65536 intervals, 0 ~ 65535 sec
	TPM	TPM2.0, Infineon SLB9670
Operating System		Win 10 IoT Enterprise, Win 11 IoT Enterprise, Linux Ubuntu 22.04, Android 14
Environmental	Operating Temperature	0 ~ 40 °C/32 ~ 104 ° F
	Relative Humidity	95% @ 40 °C/104 °F, non-condensing
	Shock	Operating 10G peak acceleration (11ms duration), follow IEC 60068-2-27
	Vibration	Operating Random Vibration Test 5 ~ 500Hz, 1Grms @with HDD; 2Grms @with SSD
	EMC/Safety	CE (RED Compliance), EN 61000-6-2: 2005 /AC: 2005, FCC, UL, CB, CCC, BSMI
	Front Panel Protection	IP65 rated/NEMA4 compliant

Specifications (Cont.)

Power Supply	Input Voltage	12V
	Power Consumption	Typical 40W Max 50W
	Adapter	12V, 7A (84W ITE adapter)
LCD Display	Size/Type	15.6" TFT LCD with LED backlight
	Max.Resolution	1366 x 768 (FHD 1920 x 1080 Optional)
	Max. Color	16.7M
	Pixel Pitch (H x V)	252 x 252
	Brightness	400 nits
	Viewing Angle	170°/130° (FHD: 178°/178°)
Touchscreen (PE/RE)	Type	Projected capacitive, Single point Analog Resistive 5-wires touch
	Light Transmission	88% ± 2%
	Controller	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	✓
	Software Start/Stop	✓*
*Dependant 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

Dimensions

Unit: mm

Ordering Information

Part Number	Description
UTC-515I-PE	15.6" 9H PCT.T/S with Intel® Core™ i5-1145G7E, IT Adapter
UTC-515IP-ATB0E	15.6" 7H PCT.T/S with Intel® Core™ i5-1145G7E, 8GB RAM, IT Adapter
UTC-515IR-ATB0E	15.6" Resi. T/S with Intel® Core™ i5-1145G7E, 8GB RAM, IT Adapter
1702002600	Power Cord 3P UL/CSA(USA) 125V 10A 1.83M 180D
1702002605	Power Cord 2P FRANCE 10A/16A 220V 1.83M 90D
1700000596	Power cable, CCC, 3P, 10A, 250V, 183 cm (China)
1700018704	Power cable, BSI, 2P, 10A, 250V, 180 cm (UK)
1960060674N001	I/O cover for UTC-515 series

Peripherals for UTC-500 Series

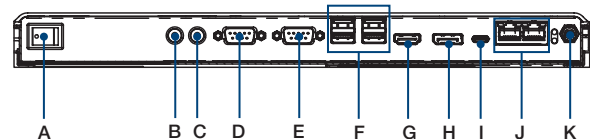| Part Number	Description
UTC-P01-A1E	5MP camera module (via USB)
UTC-P03-A1E	RFID/NFC reader (via USB)
UTC-P06-A2E	Smart card reader (via USB)
UTC-P07-A4E	2D barcode module (Honeywell) (via USB)

Optional Accessories

Part No.	Description
96PD-00824	UTK-700 Desktop Stand (w/o Printer)
96PD-00825	UTK-700 Extension Tower (For 96PD-00824 only)
UTC-520-STAND1E	Desktop stand for UTC-515/520
UTC-T01-STAND	Triangle shape floor stand
UTC-H01-STANDE	H-shaped floor stand
ARES-2424X-S170201	Table Stand,100x100/75x75
ARES-12250-L101000	Wall Mount, 75/100mm

UTC-515 WiFi Ordering Information

Part No.	Description
UTC-WIFI-A5E	AIW-163BR 802.11ax with BT5.2, PCIe-USB, Realtek 8852BE, M.2 2230

Fully Integrated I/O

A. Power Switch
B. Line-out
C. Mic-in
D. COM2
E. COM1
F. USB 3.2 x 4

G. HDMI
H. DP
I. USB Type-C
J. Lan ports x 2
K. DC input

DeviceOn/iService

Unified Remote Device Management Software

DeviceOn/iService

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

Client Devices — LAN — **DeviceOn Server** — Internet — **Browser**

Client Devices
- Hardware (android)
- Software
- Peripherals

Free Installation
Via the Advantech website

DeviceOn Server
- Cloud
- On-site installation

Download Installer
Via the Advantech website

Required Hardware
Windows10 | 8GB RAM | Intel® Core™ i5 storage | 125GB

Browser
- Monitor status
- Controls

Free Installation
Via browser

Online Download www.advantech.com/products