

# UTC-515

## 15.6" Ubiquitous Touch Computer UTC-515I with Intel® Core™ i5-1145G7E



DeviceOn/iService



### Features

- Low-power, fanless system design
- Built-in Intel® Core™ i5-1145G7E (UTC-515I)
- 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
- 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 groove 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 customer satisfaction, furthering brand equity, and maximizing business profits. Advantech's DeviceOn/iService is a next-generation unified device management solution based on the WISE-DeviceOn platform. Moreover, Advantech DeviceOn/iService Software is a next-generation 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   | i5-1145G7E<br>Intel® Core™ i3-1115G4E (available)<br>Intel® Core™ i7-1185G7E (available)   |  |
|                        | Base Frequency                                | 1.50/2.6 GHz/ Quad Core  |  |
|                        | Cache   | L3 Cache 8MB   |  |
|                        | Memory  | DDR4-3200 up to 64GB   |  |
|                        | HDD   | 1 x 2.5 internal SATA HDD bay  |  |
|                        | I/O   | System   | 2 x GbE, LAN1: Intel i219LM, LAN2: Intel i210AT/IT (support Wake on LAN)<br>1 x HDMI / 1 x DP<br>2 x RS-232/422/485                    |
|                        |   | I/O  | 1 x Audio Line-out<br>1 x Mic-in<br>4 x USB3.2 Gen. 2x1 10Gbps<br>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 x1, USB2.0, I2C)<br>1 x M.2 B-Key 3042 (USB2.0) w/ Nano-SIM<br>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 (SLB9670XQ2.0)  |  |
| Operating System       | Windows 10 IoT Enterprise, Linux Ubuntu 20.04 |  |  |
| Environmental          | Operating Temperature                         | 0 ~ 40 °C/32 ~ 104 °F  |  |
|                        | Relative Humidity                             | 10 ~ 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, follow IEC 60069-2-64   |  |
|                        | EMC/Safety                                    | CE (RED Compliance), EN 61000-6-2: 2005 /AC: 2005, FCC, UL, CB, CCC, BSMI  |  |
| Power Supply           | Front Panel Protection                        | IP65 rated/NEMA4 compliant   |  |
|                        | Input Voltage                                 | 12-24V   |  |
|                        | Power Consumption                             | Typical 40W<br>Max 50W   |  |
|                        | Adapter                                       | 12-24V, 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)                           | 248.25 x 248.25  |  |
|                        | Brightness                                    | 400 nits   |  |
| Touchscreen (PE/RE)    | Viewing Angle                                 | 170°/160°  |  |
|                        | Type  | Projected capacitive, Single point Analog Resistive 5-wires touch  |  |
|                        | Light Transmission                            | 88% ± 2%, 80% ± 3%   |  |
| Controller             | USB interface                                 |  |  |

Vertrieb durch



**AMC – Analytik & Messtechnik GmbH Chemnitz**

Heinrich-Lorenz-Str. 55 Tel.: +49/371/38388-0  
09120 Chemnitz Fax: +49/371/38388-99  
E-Mail: info@amc-systeme.de Web: www.amc-systeme.de

## Specifications (Cont.)

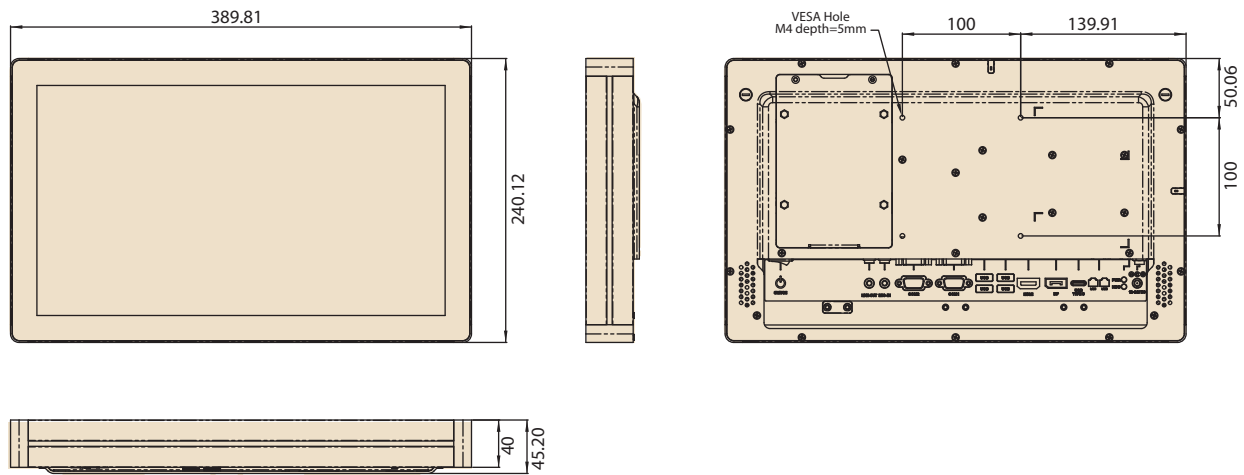
|  |                                    |            |
|--|------------------------------------|------------|
| DeviceOn/Service<br>Remote Device Management | Operating System                   | Windows 10 |
|  | Common Controls (Reboot, Shutdown) | ✓          |
|  | Remote desktop                     | ✓ (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>

## 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-P02-A0E | Magnet strip reader (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) |
| UTC-P09-A0E | Fingerprint reader (via USB)            |
| UTC-P21-A3E | 2D Barcode reader + RFID + SCR          |

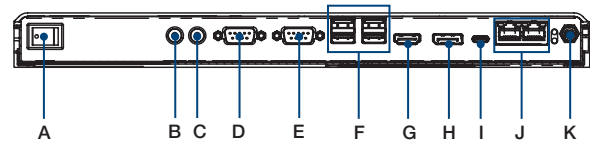
### Optional Accessories

| 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-A4E | EWM-W163M201E 802.11ac/a/b/g/n 2T2R WIFI with BT 4.1 QCA6174A, M.2 2230 |
| 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

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Heinrich-Lorenz-Str. 55 Tel.: +49/371/38388-0  
 09120 Chemnitz Fax: +49/371/38388-99  
 E-Mail: info@amc-systeme.de Web: www.amc-systeme.de