

# UTC-315

## 15.6" Ubiquitous Touch Computer UTC-315D with Intel® BayTrail J1900 UTC-315E with Intel Haswell i5-4300U



### Features

- High performance with low power consumption
- Fanless design for quiet operation
- Built in Intel BayTrail J1900 (UTC-315D) and Haswell i5-4300U (UTC-315E)
- Providing Natural Viewing Experience with 16:9 15.6" Display
- Front panel complies with IP65 protection standard
- Landscape and portrait screen modes support different applications
- VESA 75 mm standard mounting holes for varied mounting demands
- Detachable frame design for panel mount applications



### Introduction

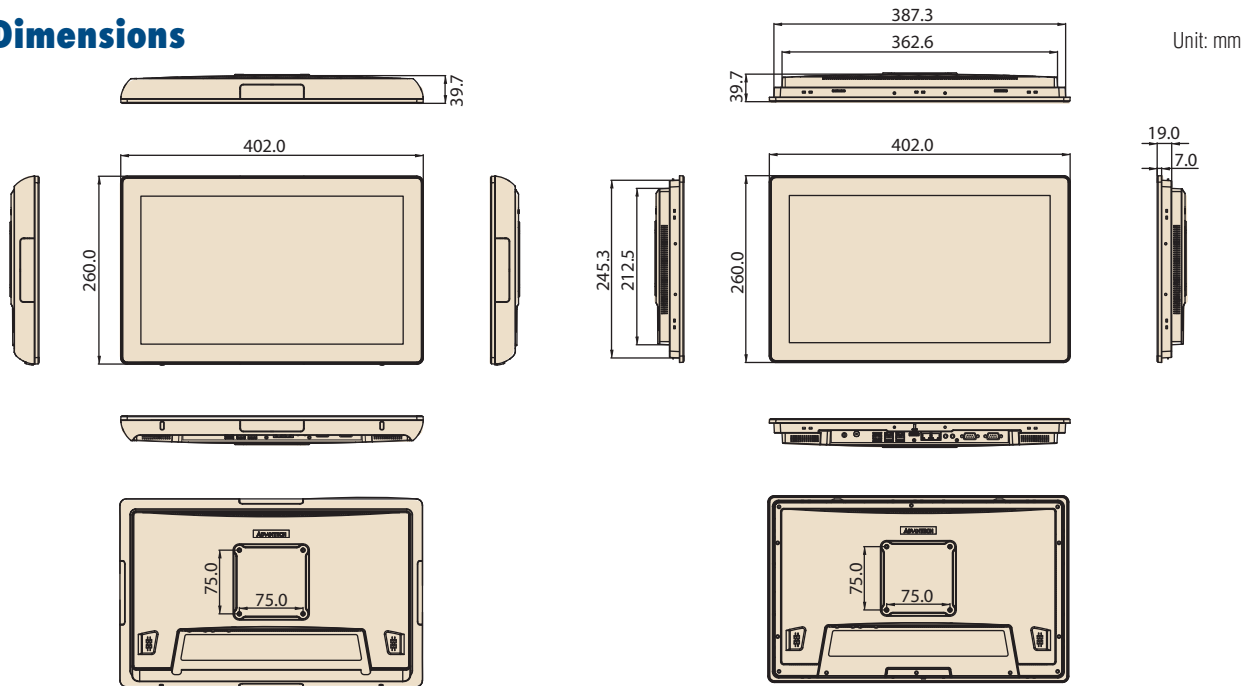
UTC-315x is the multi-purpose all-in-one computing system which equipped with wide format, touch based LCD panel. It is easy to integrate key peripherals and display systems for diversified self-service and interactive signage deploy in different application areas. With the removable frame, the system also could fulfill industries or control system applications with panel mounting design. UTC series touch panel computers are the best investments to enhance user satisfaction, further brand equity, and maximize business profits.

### Specifications

|                              |   |  |                             |   |
|------------------------------|---|--|-----------------------------|---|
| Processor System             | CPU   | Intel® BayTrail J1900  | Intel Haswell Core i5-4300U |   |
|                              | Basic Frequency   | 2.0 GHz (Quad-Core)  | 1.9GHz (Duo Core)           |   |
|                              | L2 Cache  | 2MB  | 3MB                         |   |
|                              | Memory  | 1 x SO-DIMM DDR3L 1333 MHz up to 8 GB  |                             |   |
|                              | HDD   | 1 x 2.5 internal SATA HDD bay  |                             |   |
|                              | Network   | 2 x Gigabit Ethernet ports (RJ-45)   |                             |   |
|                              | I/O ports   | 1 x RS-232, 1 x RS-232 / 422 / 485   |                             | 1 x RS-232 (optional CSAFE), 1 x RS-232/422/485 |
|                              |   | 5 x USB 2.0 / 1 x USB 3.0  |                             | 2 x USB 2.0 / 4 x USB 3.0                       |
|                              |   | 2 x Gigabit Ethernet (RJ-45)   |                             | 2 x Gigabit Ethernet (RJ-45)                    |
|                              |   | 1 x HDMI   |                             | 1 x HDMI  |
|                              | Stereo Speaker  | Audio Line-out x 1, Mic-in x 1   |                             | Audio Line-out x 1, Mic-in x 1                  |
|                              |   | RJ-11 (option)   |                             | RJ-11 (option)                                  |
|                              | BUS expansion   | Full-size MiniPCIe/mSATA   |                             |   |
| Mounting                     | VESA 75 x 75  |  |                             |   |
| Dimension(WxHxD)             | 402 x 260 x 39.7 mm   |  |                             |   |
| Weight                       | <4 kg (8.8 lb)  |  |                             |   |
| OS support                   | Windows Embedded 8.1 Industry Pro 64bit<br>Windows Embedded Standard 8 64bit<br>Windows Pro Embedded 7 SP1 64bit<br>Windows Embedded Standard 7P 32bit<br>Windows Embedded Standard 7E 32bit<br>Android 4.4 |  |                             |   |
| Environmental Specifications | Operating Temperature   | 0 ~ 40° C (32 ~ 104° F)  |                             |   |
|                              | Relative Humidity   | 10 ~ 95% @ 40° C non-condensing  |                             |   |
|                              | Vibration   | 0.5G   |                             |   |
|                              | Shock   | 10 G peak acceleration (11 msec. duration)   |                             |   |
|                              | EMC/ Safety   | CE, FCC, UL, CCC CB,BSMI   |                             |   |
|                              | Front Panel Protection  | IP65/ NEMA4 Compliant  |                             |   |
| Power Supply                 | Input Rating  | 12 V/7 A (84W ITE Adapter)   | 12-30V/7A (84W ITE Adapter) |   |
|                              | Power consumption   | Typical 32W<br>Max. 70W  |                             |   |
| LCD Display                  | Size  | 15.6" TFT LCD  |                             |   |
|                              | Max Resolution  | 1366 x 768   |                             |   |
|                              | Max Color   | 262K   |                             |   |
|                              | Pixel Pitch (um)  | 252(H) x 252(V)  |                             |   |
|                              | Brightness (cd/m²)  | 200 (Typical)  |                             |   |
| View Angle                   | 90° /60°  |  |                             |   |
| Touch Screen                 | Type  | Analog Resistive 5-wires (Res. Flat Glass) / Projected Capacitive Touch Panel (Pcap. Flat Glass) |                             |   |
|                              | Light Transmission  | Res. Touch : 80% ± 5% / P-Cap Touch : 90% ± 2%   |                             |   |
|                              | Controller  | COM interface / USB interface  |                             |   |

\*UTC-315E preliminary datasheet, specification may vary in final version.

## Dimensions



## Ordering Information

| Part No.        | Description   |
|-----------------|---|
| UTC-315DR-AW0E  | 15.6" White, Intel® Celeron J1900, Res T/S, 4 GB RAM, IT Adapter  |
| UTC-315DR-ATB0E | 15.6" Black, Intel® Celeron J1900, Res T/S, 4 GB RAM, IT Adapter  |
| UTC-315DP-AW0E  | 15.6" White, Intel® Celeron J1900, PCap T/S, 4 GB RAM, IT Adapter |
| UTC-315DP-ATB0E | 15.6" Black, Intel® Celeron J1900, PCap T/S, 4 GB RAM, IT Adapter |
| UTC-315ER-ATW0E | 15.6" White, Intel Core i5-4300U, Res T/S 4GB RAM, IT Adapter     |
| UTC-315ER-ATB0E | 15.6" White, Intel Core i5-4300U, Res T/S 4GB RAM, IT Adapter     |
| UTC-315EP-ATW0E | 15.6" White, Intel Core i5-4300U, PCap T/S 4GB RAM, IT Adapter    |
| UTC-315EP-ATB0E | 15.6" White, Intel Core i5-4300U, PCap T/S 4GB RAM, IT Adapter    |

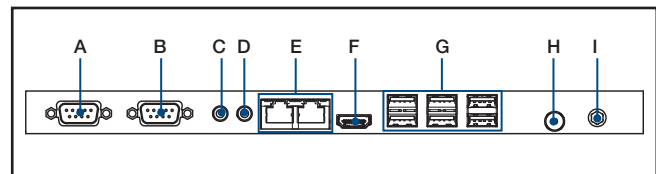
### UTC-318 WiFi Ordering Information

| Description       | Part No.      | Amount |
|-------------------|---------------|--------|
| WiFi Antenna      | 1750006682-01 | x2pcs  |
| WiFi Module       | EWM-W135F01E  | x1pcs  |
| Screws for module | 1930005481    | x2pcs  |

### Installation Accessory

| Part No.         | Description  |
|------------------|--|
| UTC-300P-D10E    | Desk Stand, Single Color-Silver, for UTC-315                   |
| UTC-WALL-MOUNT1E | Wall Mount kit   |
| UTC-WALL-MOUNT3E | Wall Mount Kit   |
| UTC-T01-STANDE   | Triangle shape floor stand                                     |
| UTC-H01-STANDE   | H-shaped floor stand   |
| UTK-500F-A0E     | Floor stand with SNBC BTP-U81 thermal printer (for China only) |
| UTK-500S-A0E     | Floor stand without thermal printer                            |
| UTK-500G-A0E     | Floor stand with thermal printer bracket                       |

## Fully- Integrated I/O



- A. COM1
- B. COM2
- C. Line-out
- D. Mic in
- E. LAN ports x 2
- F. HDMI
- G. USB 2.0 x 5 / USB 3.0 x 1 (UTC-315D)  
USB 2.0 x 2 / USB 3.0 x 4 (UTC-315E)
- H. Power button
- I. DC input 12V (UTC-315D)  
12-30V (UTC-315E)

### Peripherals for UTC-318 series

| Part No.       | Description                                       |
|----------------|---|
| UTC-300P-C20E  | 5M Camera Module, White, for UTC-315              |
| UTC-300P-C21E  | 5M Camera Module, Black, for UTC-315              |
| UTC-300P-M20E  | Magnet Strip Reader, White, for UTC-315           |
| UTC-300P-M21E  | Magnet Strip Reader, Black, for UTC-315           |
| UTC-300P-R20E  | RFID Reader, White, for UTC-315                   |
| UTC-300P-R21E  | RFID Reader, Black, for UTC-315                   |
| UTC-300P-RH10E | RFID Reader, HID, White, for UTC-315              |
| UTC-300P-S20E  | Smart Card Reader, White, for UTC-315             |
| UTC-300P-S21E  | Smart Card Reader, Black, for UTC-315             |
| UTC-300P-B10E  | 1D Barcode Reader, Single Color-Gray, for UTC-315 |
| UTC-300P-B11E  | 2D Barcode Reader, Single Color-Gray, for UTC-315 |
| UTC-300P-B30E  | 1D Barcode, Single Color-Gray, for UTC-315        |
| UTC-300P-B31E  | 2D Barcode, Single Color-Gray, for UTC-315        |



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- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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