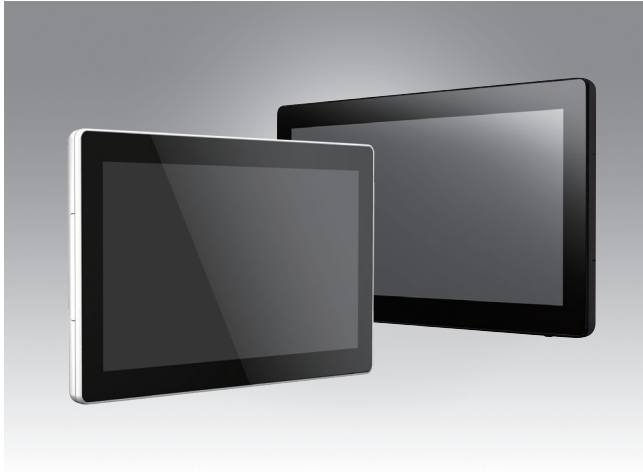


# UTC-315

**15.6" Ubiquitous Touch Computer**  
**UTC-315D with Intel® Celeron® J1900**  
**UTC-315E with Intel® Core™ i5-4300U**  
**UTC-315F with Intel® Core™ i5-6300U**  
**UTC-315G with Intel® Pentium® N4200**



## Features

- Low power and fanless system design
- Built in Intel Celeron® J1900 (UTC-315D), Core™ i5-4300U (UTC-315E), Core™ i5-6300U (UTC-315F) and Pentium® N4200 (UTC-315G)
- 15.6" monitor with 16:9 widescreen display
- IP65-rated front panel for water and dust resistance
- Supports both landscape and portrait screen orientations
- VESA 75 mm standard mounting holes for varied mounting demands
- Detachable frame design for panel mount applications



## Introduction

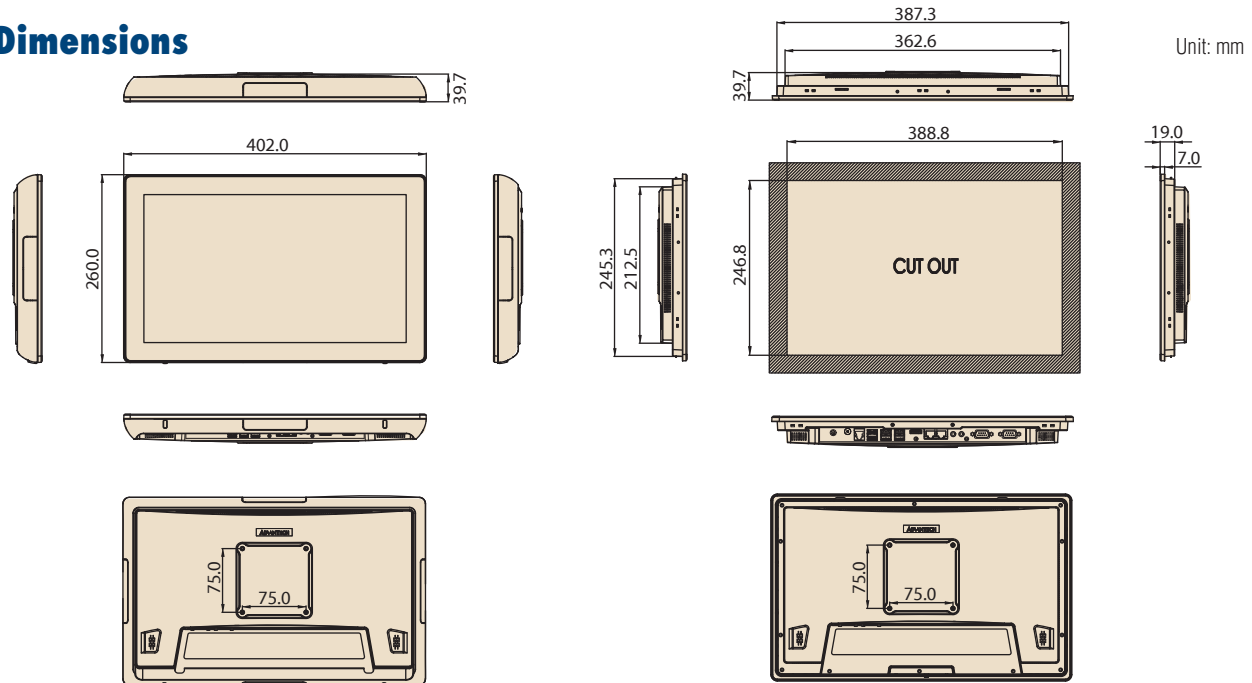
UTC-315 is the multi-purpose all-in-one computing system which equipped with wide format, touch based LCD panel. It is easy to integrate key peripherals and display systems for diversified self-service and interactive signage deploy in different application areas. With the removable frame, the system 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® Celeron® J1900                                                                                                                                                                         | Intel® Core™ i5-4300U                                                                                                                                                          | Intel® Core™ i5-6300U (Default)<br>Intel® Core™ i3-6100U (Available)                                                                                     | Intel® Pentium® N4200 (Default)<br>Intel® Celeron® N3350 (Available)                                                                                     |
|                              | Basic Frequency       | 2.0 GHz (Quad-Core)                                                                                                                                                                           | 1.9GHz (Duo Core)                                                                                                                                                              | 2.4GHz (Duo Core)                                                                                                                                        | 1.10 GHz (Quad-Core)                                                                                                                                     |
|                              | L2 Cache MB           | 2MB                                                                                                                                                                                           | L3 Cache 3MB                                                                                                                                                                   | L3 Cache 3MB                                                                                                                                             | L2 Cache 2MB                                                                                                                                             |
|                              | Memory                | 1 x 204pin SO-DIMM DDR3L 1333 MHz up to 8 GB                                                                                                                                                  |                                                                                                                                                                                | 1 x 260pin SO-DIMM DDR4 2133 MHz up to 16 GB                                                                                                             | 1 x 204pin SO-DIMM DDR3L 1866 MHz up to 8GB                                                                                                              |
|                              | HDD                   | 1 x 2.5 internal SATA HDD bay                                                                                                                                                                 |                                                                                                                                                                                |                                                                                                                                                          |                                                                                                                                                          |
|                              | Network               | 2 x Gigabit Ethernet ports (RJ-45)                                                                                                                                                            |                                                                                                                                                                                |                                                                                                                                                          |                                                                                                                                                          |
|                              | I/O ports             | 1 x RS-232<br>1 x RS-232 / 422 / 485<br>5 x USB 2.0 / 1 x USB 3.0<br>2 x Gigabit Ethernet (RJ-45)<br>1 x HDMI<br>1 x RJ-11<br>Audio Line-out x 1, Mic-in x 1                                  | 1 x RS-232 (optional CSAFE)<br>1 x RS-232/422/485<br>2 x USB 2.0 / 4 x USB 3.0<br>2 x Gigabit Ethernet (RJ-45)<br>1 x HDMI<br>1 x RJ-11<br>Audio Line-out x 1, Mic-in x 1      | 1 x RS-232<br>1 x RS-232/422/485<br>2 x USB 2.0 / 4 x USB 3.0<br>2 x Gigabit Ethernet (RJ-45)<br>1 x HDMI<br>1 x RJ-11<br>Audio Line-out x 1, Mic-in x 1 | 1 x RS-232<br>1x RS232 / 422 /485<br>2 x USB 2.0 / 4 x USB 3.0<br>2 x Gigabit Ethernet (RJ-45)<br>1 x HDMI<br>1 x RJ11<br>Audio Line-out x 1, Mic-in x 1 |
|                              | Stereo Speaker        | 1W x 2                                                                                                                                                                                        |                                                                                                                                                                                |                                                                                                                                                          |                                                                                                                                                          |
|                              | BUS expansion         | Full-size MiniPCle/mSATA                                                                                                                                                                      |                                                                                                                                                                                |                                                                                                                                                          | M.2 2230/mSATA                                                                                                                                           |
|                              | Mounting              | VESA 75 x 75<br>Screw Size: M4, 10mm                                                                                                                                                          |                                                                                                                                                                                |                                                                                                                                                          |                                                                                                                                                          |
|                              | Dimension(WxHxD)      | 402 x 260 x 39.7 mm                                                                                                                                                                           |                                                                                                                                                                                |                                                                                                                                                          |                                                                                                                                                          |
|                              | Weight                | <4 kg                                                                                                                                                                                         |                                                                                                                                                                                |                                                                                                                                                          |                                                                                                                                                          |
| OS support                   |                       | WES 7P 32bit<br>WES 7E 32bit<br>Windows Pro Embedded 7 SP1 64bit<br>WE8S 64bit<br>Windows Embedded 8.1 Industry Pro 64bit<br>Win 10 IoT Enterprise 64bit<br>Linux Ubuntu 16.04<br>Android 4.4 | WES 7P 32bit<br>WES 7E 32bit<br>Windows Pro Embedded 7 SP1 64bit<br>WE8S 64bit<br>Windows Embedded 8.1 Industry Pro 64bit<br>Win 10 IoT Enterprise 64bit<br>Linux Ubuntu 16.04 | Win 10 IoT Enterprise 64bit<br>Android 6.0<br>Linux Ubuntu 18.04                                                                                         |                                                                                                                                                          |
| 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)<br>*12-30V Optional                                                                                                                                                | 12-30V/7A (84W ITE Adapter)                                                                                                                                                    |                                                                                                                                                          | 12 V/7 A (84W ITE Adapter)<br>*12-30V Optional                                                                                                           |
|                              | Power consumption     | Typical 32W<br>Max. 70W                                                                                                                                                                       |                                                                                                                                                                                |                                                                                                                                                          |                                                                                                                                                          |
| LCD Display                  | Size                  | 15.6" TFT LCD                                                                                                                                                                                 |                                                                                                                                                                                |                                                                                                                                                          |                                                                                                                                                          |
|                              | Max Resolution        | 1366 x 768 (FHD 1920 x 1080 Optional)                                                                                                                                                         |                                                                                                                                                                                |                                                                                                                                                          | 1920 x 1080                                                                                                                                              |
|                              | Max Color             | 262K                                                                                                                                                                                          |                                                                                                                                                                                |                                                                                                                                                          |                                                                                                                                                          |
|                              | Pixel Pitch (um)      | 252(H) x 252(V)                                                                                                                                                                               |                                                                                                                                                                                |                                                                                                                                                          |                                                                                                                                                          |
|                              | Brightness (cd/m²)    | 220 (Typical)                                                                                                                                                                                 |                                                                                                                                                                                |                                                                                                                                                          |                                                                                                                                                          |
| Touch Screen                 | View Angle            | 90° /60°/170°/ 170° Optional)                                                                                                                                                                 |                                                                                                                                                                                |                                                                                                                                                          |                                                                                                                                                          |
|                              | Type                  | Analog Resistive 5-wires (Res. Flat Glass) / Projected Capacitive Touch Panel (Pcap. Flat Glass) / Glass Panel                                                                                |                                                                                                                                                                                |                                                                                                                                                          |                                                                                                                                                          |
|                              | 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-ATW0E | 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-ATW0E | 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" Black, 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" Black, Intel® Core™ i5-4300U, PCap T/S 4GB RAM, IT Adapter   |
| UTC-315FR-ATW0E | 15.6" White, Intel® Core™ i5-6300U, Res T/S 4GB RAM, IT Adapter    |
| UTC-315FR-ATB0E | 15.6" Black, Intel® Core™ i5-6300U, Res T/S 4GB RAM, IT Adapter    |
| UTC-315FP-ATW0E | 15.6" White, Intel® Core™ i5-6300U, PCap T/S 4GB RAM, IT Adapter   |
| UTC-315FP-ATB0E | 15.6" Black, Intel® Core™ i5-6300U, PCap T/S 4GB RAM, IT Adapter   |
| UTC-315GR-ATW0E | 15.6" White, Intel® Pentium® N4200, Res T/S, 4 GB RAM, IT Adapter  |
| UTC-315GR-ATB0E | 15.6" Black, Intel® Pentium® N4200, Res T/S, 4 GB RAM, IT Adapter  |
| UTC-315GP-ATW0E | 15.6" White, Intel® Pentium® N4200, PCap T/S, 4 GB RAM, IT Adapter |
| UTC-315GP-ATB0E | 15.6" Black, Intel® Pentium® N4200, PCap T/S, 4 GB RAM, IT Adapter |

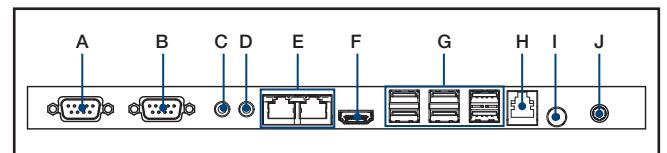
## UTC-315 WiFi Ordering Information

| Part No.      | Description                                              |
|---------------|----------------------------------------------------------|
| UTC-300P-W10E | WiFi Kit for UTC-315D/E/F (MiniPCIe, WiFi only)          |
| UTC-300P-W11E | WiFi Kit for UTC-315D/E/F (MiniPCIe, WiFi and Bluetooth) |
| UTC-300P-W12E | WiFi Kit for UTC-315G (M.2 2230, WiFi and Bluetooth)     |

## Installation Accessory

| Part No.         | Description                                                 |
|------------------|-------------------------------------------------------------|
| UTC-300P-D10E    | Desk Stand, Single Color-Silver (UTC-315 series)            |
| UTC-WALL-MOUNT1E | Wall Mount kit (UTC-315/UTC-318/UTC-320 series)             |
| UTC-WALL-MOUNT3E | Wall Mount Kit (UTC-315/UTC-318/UTC-320 series)             |
| UTC-T01-STANDE   | Triangle shape floor stand (UTC-315/UTC-318/UTC-320 series) |
| UTC-H01-STANDE   | H-shaped floor stand (UTC-315/UTC-318/UTC-320 series)       |

## 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/UTC-315F/UTC-315G)
- H. RJ-11
- I. Power button
- J. DC input 12V (UTC-315D/UTC-315G)
- 12-30V (UTC-315E/UTC-315F)

## Peripherals for UTC-300 series

| Part No.       | Description                                    |
|----------------|------------------------------------------------|
| UTC-300P-C20E  | 5M Camera Module, White, for UTC-300 series    |
| UTC-300P-C21E  | 5M Camera Module, Black, for UTC-300 series    |
| UTC-300P-M20E  | Magnet Strip Reader, White, for UTC-300 series |
| UTC-300P-M21E  | Magnet Strip Reader, Black, for UTC-300 series |
| UTC-300P-R20E  | RFID Reader, White, for UTC-300 series         |
| UTC-300P-R21E  | RFID Reader, Black, for UTC-300 series         |
| UTC-300P-S20E  | Smart Card Reader, White, for UTC-300 series   |
| UTC-300P-S21E  | Smart Card Reader, Black, for UTC-300 series   |
| UTC-300P-B60E  | 2D Barcode Reader, White for UTC-300 series    |
| UTC-300P-B61E  | 2D Barcode Reader, Black for UTC-300 series    |
| UTC-300P-FP11E | Fingerprint Reader (black) for UTC-300 series  |

## Power Cord Ordering Information

| Part No.      | Description                                   |
|---------------|-----------------------------------------------|
| 1702002605    | Power cord 2P FRANCE 10A/16A 220V 1.83M 90D   |
| 1702002600    | Power Cord 3P UL/CSA(USA) 125V 10A 1.83M 180D |
| 1700000596-11 | Power Cord (China) CCC,10A 250V, 3P 1830mm    |
| 1700018704    | Power Cord UK BSI 2P 10A 250V 180cm 18AWG     |

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