

# UTC-318x

## 18.5" Ubiquitous Touch Computer UTC-318D with Intel® BayTrail J1900



### Features

- Low Power & Fanless design
- Built in Intel BayTrail J1900 (UTC-318D)
- Providing Natural Viewing Experience with 16:9 18.5" Display
- Front panel complies with IP65 protection standard
- Landscape & Portrait screen mode support by different applications
- VESA 100 mm standard mounting holes for varied mounting demands
- Attachable frame design , flexible for panel mount applications



### Introduction

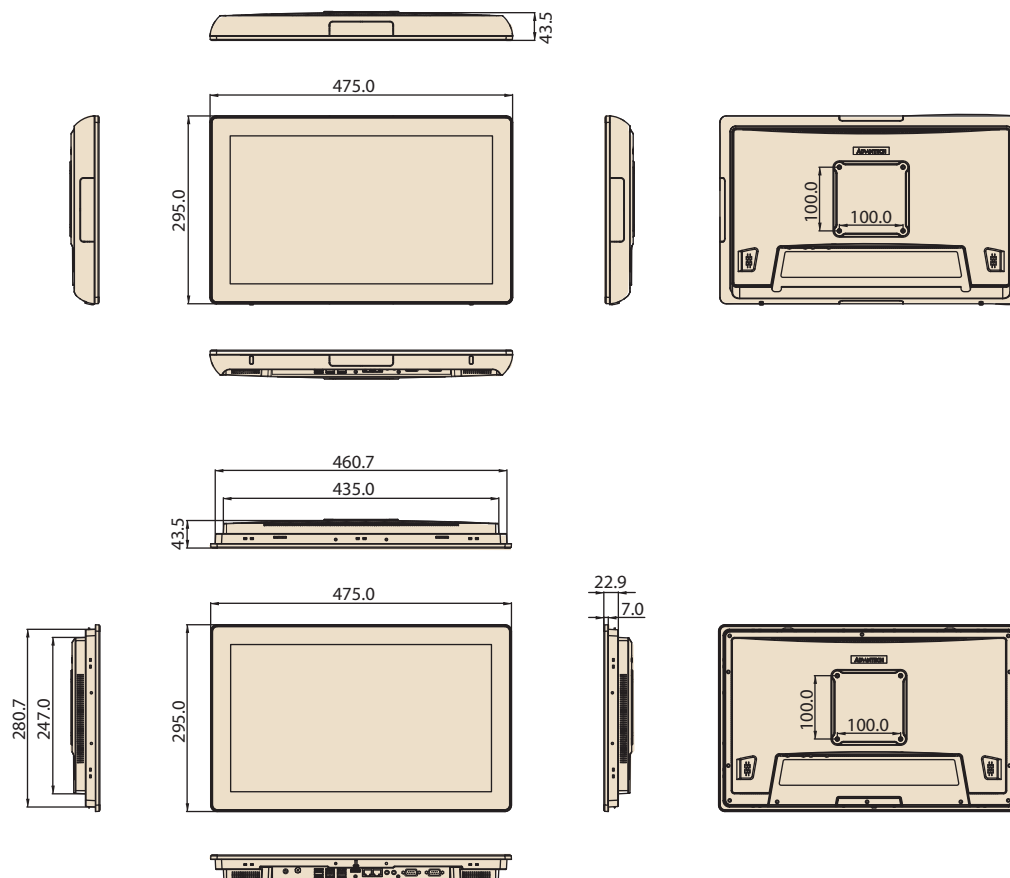
UTC-318x is the multi-purpose all-in-one computing system which equipped with wide format, touch based LCD panel. It is easy to integrate key peripherals and display systems for diversified self-service and interactive signage deploy in different application areas. With the removable frame , the system 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                                                                            |
|                              | Basic Frequency                | 2.0 GHz (Quad-Core)                                                                              |
|                              | L2 Cache                       | 2MB                                                                                              |
|                              | 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                                                              |
|                              |                                | 5 x USB 2.0 / 1 x USB 3.0                                                                        |
|                              |                                | 2 x Gigabit Ethernet (RJ-45)                                                                     |
|                              |                                | 1 x HDMI                                                                                         |
| OS support                   | Audio Line-out x 1, Mic-in x 1 |                                                                                                  |
|                              | RJ-11 (option)                 |                                                                                                  |
|                              | Stereo Speaker                 | 1W x 2                                                                                           |
|                              | BUS expansion                  | Full-size MiniPCIe/mSATA                                                                         |
|                              | Mounting                       | VESA 100 x 100                                                                                   |
|                              | Dimension(WxHxD)               | 475 x 295 x 43.5 mm                                                                              |
|                              | Weight                         | 5 kg (13.4 lb)                                                                                   |
|                              | Windows Embedded Standard 7    |                                                                                                  |
|                              | Windows Embedded Standard 8    |                                                                                                  |
|                              | Embedded Linux 3.0             |                                                                                                  |
| 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)                                                                       |
|                              | Power consumption              | Typical 32W<br>Max. 70W                                                                          |
| LCD Display                  | Size                           | 18.5" TFT LCD                                                                                    |
|                              | Max Resolution                 | 1366 x 768                                                                                       |
|                              | Max Color                      | 16.7M                                                                                            |
|                              | Pixel Pitch (um)               | 300(H) x 300(V)                                                                                  |
|                              | Brightness (cd/m²)             | 250 (Typical)                                                                                    |
|                              | View Angle                     | 170°/160°                                                                                        |
| 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                                                                    |

## Dimensions

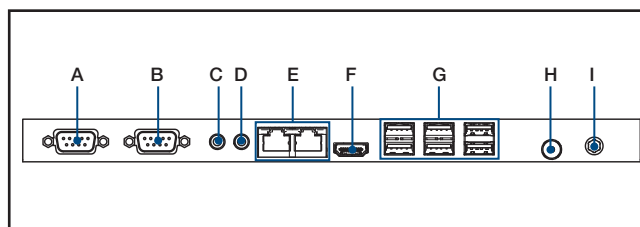
Unit: mm (inch)



## Ordering Information

| Part No.        | Description                                                       |
|-----------------|-------------------------------------------------------------------|
| UTC-318D-RE     | 18.5" White, Intel® Celeron J1900, Res T/S, 4 GB RAM, IT Adapter  |
| UTC-318D-PE     | 18.5" White, Intel® Celeron J1900, PCap T/S, 4 GB RAM, IT Adapter |
| UTC-318DR-ATB0E | 18.5" Black, Intel® Celeron J1900, Res T/S, 4 GB RAM, IT Adapter  |
| UTC-318DP-ATB0E | 18.5" Black, Intel® Celeron J1900, PCap T/S, 4 GB RAM, IT Adapter |

## Fully- Integrated I/O



## Peripherals for UTC-318 series

| Part No.      | Description                                       |
|---------------|---------------------------------------------------|
| UTC-300P-C20E | 5M Camera Module, White, for UTC-318              |
| UTC-300P-C21E | 5M Camera Module, Black, for UTC-318              |
| UTC-300P-M20E | Magnet Strip Reader, White, for UTC-318           |
| UTC-300P-M21E | Magnet Strip Reader, Black, for UTC-318           |
| UTC-300P-R20E | RFID Reader, White, for UTC-318                   |
| UTC-300P-R21E | RFID Reader, Black, for UTC-318                   |
| UTC-300P-S20E | Smart Card Reader, White, for UTC-318             |
| UTC-300P-S21E | Smart Card Reader, Black, for UTC-318             |
| UTC-300P-B20E | 1D Barcode Reader, Single Color-Gray, for UTC-318 |
| UTC-300P-B21E | 2D Barcode Reader, Single Color-Gray, for UTC-318 |

- 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
- H. Power button
- I. DC input 12Vdc

## Installation Accessory

| Part No.         | Description                                  |
|------------------|----------------------------------------------|
| UTC-300P-D20E    | Desk Stand, Single Color-Silver, for UTC-318 |
| 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                         |