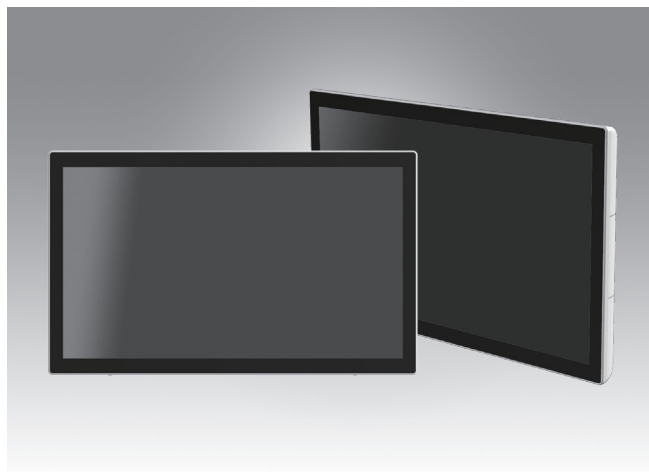


# UTC-320

**21.5" Ubiquitous Touch Computer**  
**UTC-320D with Intel® BayTrail Celeron® J1900**  
**UTC-320E with Intel® Haswell Core™ i5-4300U**  
**UTC-320F with Intel® Skylake Core™ i5-6300U**



## Features

- High performance with low power consumption
- Fanless design for quiet operation
- Built in Intel BayTrail Celeron® J1900 (UTC-320D), Haswell Core™ i5-4300U (UTC-320E) and Skylake Core™ i5-6300U (UTC-320F)
- Providing Natural Viewing Experience with 16:9 21.5" Display
- Front panel complies with IP65 protection standard
- Landscape and portrait screen modes support different applications
- VESA 100 mm standard mounting holes for varied mounting demands
- Detachable frame design for panel mount applications



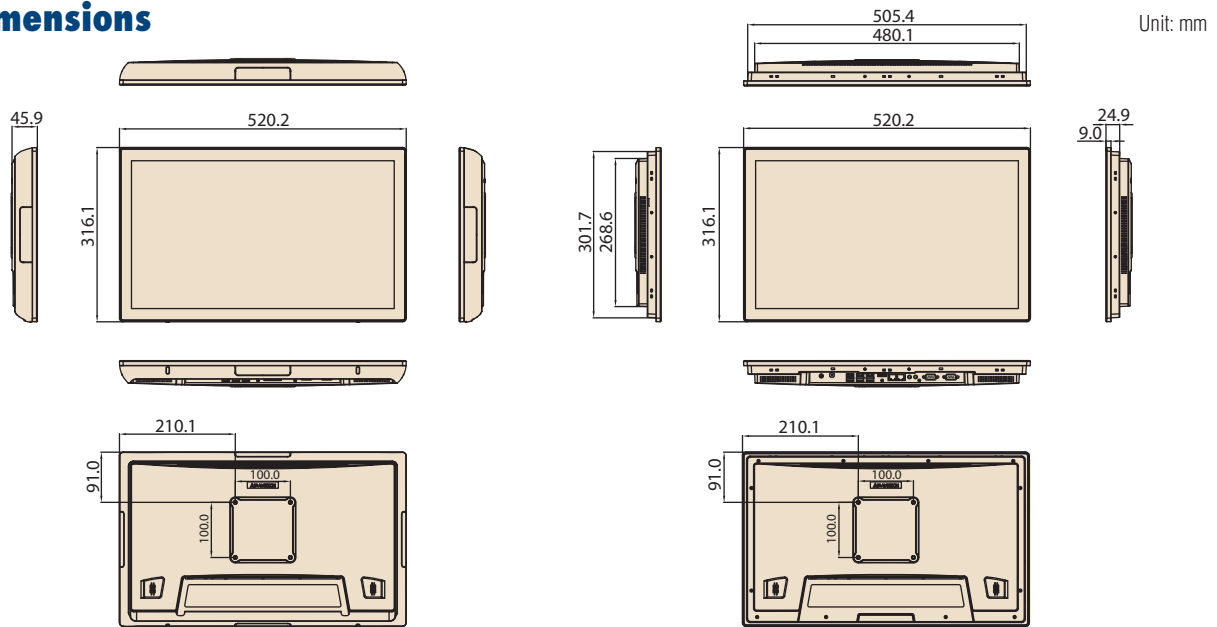
## Introduction

UTC-320 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 Celeron® J1900  | Intel® Haswell Core™ i5-4300U  | Intel® Skylake Core™ i5-6300U  |
|                              | Basic Frequency   | 2.0 GHz (Quad-Core)   | 1.9GHz (Duo Core)  | 2.4GHz (Duo Core)  |
|                              | L2 Cache  | 2MB   | 3MB  |  |
|                              | Memory  | 4GB (1 x SO-DIMM DDR3L 1333 MHz up to 8 GB)   |  | 4GB (1 x SO-DIMM DDR4 2133 MHz up to 16 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<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>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 |
|                              | Stereo Speaker  | 1W x 2  |  |  |
|                              | BUS expansion   | Full-size MiniPCIe/mSATA  |  |  |
|                              | Mounting  | VESA 100 x 100  |  |  |
| Dimension(WxHxD)             | 505 x 316 x 45.9 mm   |   |  |  |
| Weight                       | 5.8 kg  |   |  |  |
| 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>Windows 10 IoT<br>Android 4.4<br>Linux Ubuntu 16.04 |   | 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>Windows 10 IoT<br>Linux Ubuntu 16.04 |  |
| 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)  |  |
|                              | Power consumption   | Typical: 45W<br>Max: 80W  |  |  |
| LCD Display                  | Size  | 21.5" TFT LCD   |  |  |
|                              | Max Resolution  | 1920 x 1080   |  |  |
|                              | Max Color   | 16.7M   |  |  |
|                              | Pixel Pitch (um)  | 248.25 (H) x 248.25 (V)   |  |  |
|                              | Brightness (cd/m <sup>2</sup> )   | 250 (Typical)   |  |  |
| View Angle                   | 178°/178°   |   |  |  |
| Touch Screen                 | Type  | Analog Resistive 5-wires (Res. Flat Glass) / Projected Capacitive Touch Panel (Pcap. Flat Glass) / Glass Panel                                  |  |  |
|                              | Light Transmission  | 90% ± 2% / 80% ± 5% / 90%   |  |  |
|                              | Controller  | COM interface / USB interface   |  |  |

## Dimensions



Unit: mm

## Ordering Information

| Part No.        | Description  |
|-----------------|--|
| UTC-320DR-ATW0E | 21.5" White, Intel® Celeron J1900, Res T/S, 4 GB RAM, IT Adapter       |
| UTC-320DR-ATB0E | 21.5" Black, Intel® Celeron J1900, Res T/S, 4 GB RAM, IT Adapter       |
| UTC-320DP-ATW0E | 21.5" White, Intel® Celeron J1900, PCap T/S, 4 GB RAM, IT Adapter      |
| UTC-320DP-ATB0E | 21.5" Black, Intel® Celeron J1900, PCap T/S, 4 GB RAM, IT Adapter      |
| UTC-320ER-ATW0E | 21.5" White, Intel Haswell Core i5-4300U, Res T/S 4GB RAM, IT Adapter  |
| UTC-320ER-ATB0E | 21.5" Black, Intel Haswell Core i5-4300U, Res T/S 4GB RAM, IT Adapter  |
| UTC-320EP-ATW0E | 21.5" White, Intel Haswell Core i5-4300U, PCap T/S 4GB RAM, IT Adapter |
| UTC-320EP-ATB0E | 21.5" Black, Intel Haswell Core i5-4300U, PCap T/S 4GB RAM, IT Adapter |
| UTC-320FR-ATW0E | 21.5" White, Intel Skylake Core i5-6300U, Res T/S 4GB RAM, IT Adapter  |
| UTC-320FR-ATB0E | 21.5" Black, Intel Skylake Core i5-6300U, Res T/S 4GB RAM, IT Adapter  |
| UTC-320FP-ATW0E | 21.5" White, Intel Skylake Core i5-6300U, PCap T/S 4GB RAM, IT Adapter |
| UTC-320FP-ATB0E | 21.5" Black, Intel Skylake Core i5-6300U, PCap T/S 4GB RAM, IT Adapter |

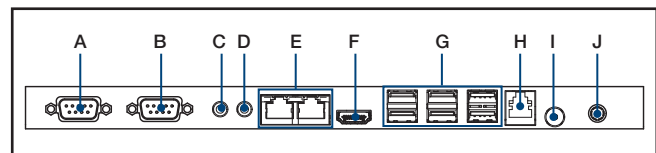
### UTC-320 WiFi Ordering Information

| Part No.      | Description   |
|---------------|---|
| UTC-300P-W10E | WiFi Antenna x 2 pcs<br>WiFi Module x 1 pc<br>Screws for module x 2pcs  |
| UTC-300P-W11E | WiFi Antenna x 2 pcs<br>WiFi Module x 1 pc<br>Screws for module x 2pcs<br>Half_Minipcie bracket x 1pc<br>(For Windows 10) |

### Installation Accessory

| Part No.         | Description   |
|------------------|---|
| UTC-300P-D20E    | Desk Stand, Single Color-Silver (UTC-318/UTC-320 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-320D)  
USB 2.0 x 2 / USB 3.0 x 4 (UTC-320E/UTC-320F)
- H. RJ-11 (UTC-320E/UTC-320F)
- I. Power button
- J. DC input 12V (UTC-320D)  
12-30V (UTC-320E/UTC-320F)

### Peripherals for UTC-320 series

| Part No.       | Description  |
|----------------|--|
| UTC-300P-C20E  | 5M Camera Module, White, for UTC-318/UTC-320 series    |
| UTC-300P-C21E  | 5M Camera Module, Black, for UTC-318/UTC-320 series    |
| UTC-300P-M20E  | Magnet Strip Reader, White, for UTC-318/UTC-320 series |
| UTC-300P-M21E  | Magnet Strip Reader, Black, for UTC-318/UTC-320 series |
| UTC-300P-R20E  | RFID Reader, White, for UTC-318/UTC-320 series         |
| UTC-300P-R21E  | RFID Reader, Black, for UTC-318/UTC-320 series         |
| UTC-300P-S20E  | Smart Card Reader, White, for UTC-318/UTC-320 series   |
| UTC-300P-S21E  | Smart Card Reader, Black, for UTC-318/UTC-320 series   |
| UTC-300P-BB40E | 1D Barcode Reader, Black, for UTC-318/UTC-320 series   |
| UTC-300P-BW40E | 1D Barcode Reader, White, for UTC-318/UTC-320 series   |
| UTC-300P-BB41E | 2D Barcode Reader, Black, for UTC-318/UTC-320 series   |
| UTC-300P-BW41E | 2D Barcode Reader, White, for UTC-318/UTC-320 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     |