

# UTC-520

## 21.5" Ubiquitous Touch Computer UTC-520D with Intel® Bay Trail J1900 UTC-520E with Intel® Haswell i5-4300U

**NEW**



### Features

- Low Power and Fanless Design
- Built-in Intel® Bay Trail J1900 (UTC-520D)
- Built-in Intel® Haswell i5-4300U (UTC-520E)
- Providing Natural Viewing Experience with 16:9 21.5" Display
- Front panel complies with IP65 protection standard
- All in one aluminum extrusion design
- Landscape & Portrait screen mode support by different applications
- VESA 100 mm standard mounting holes for varied mounting demands
- Attachable design for panel & peripherals to extend function and applications



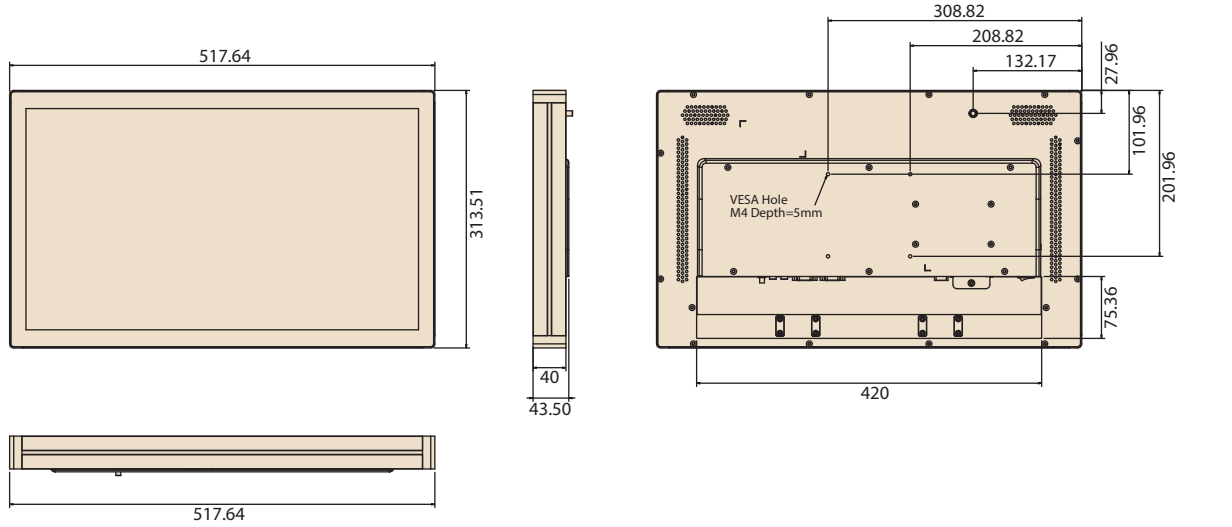
### Introduction

UTC-520 features an all-in-one computing system 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. The systems deliver updated information with well-designed interactive interfaces, fully ensure relevant content and targeted promotions are delivered. 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 (UTC-520D)  | Intel® Core™ i5-4300U (UTC-520E)<br>Intel® Core™ i3-4010U (Available)*<br>Intel® Celeron™ 2980U (Available)*                                  |
|                                | Base Frequency                  | 2 GHz (Quad-Core)   | 1.9 GHz (Dual-Core)   |
|                                | Cache                           | L2 Cache 2MB  | L3 Cache 3MB  |
|                                | Memory                          | 1 x SO-DIMM DDR3L 1333 MHz<br>up to 8 GB  | 1 x SO-DIMM DDR3L 1333 / 1600 MHz<br>up to 8 GB   |
|                                | HDD                             | 1 x 2.5 internal SATA HDD bay   | 1 x 2.5 internal SATA HDD bay   |
|                                | Network (LAN)                   | 2 x Gigabit Ethernet ports (Supports Wake on LAN)   |   |
|                                | I/O ports                       | 2 x RS-232 COM (RS-422/485)*<br>3 x USB 2.0 / 1 x USB 3.0<br>2 x Gigabit Ethernet (RJ-45)<br>1 x VGA & HDMI<br>Audio Line-out x 1, Mic-in x 1 | 2 x RS-232 COM (RS-422/485)*<br>2 x USB 2.0 / 2 x USB 3.0<br>2 x Gigabit Ethernet (RJ-45)<br>1 x VGA & HDMI<br>Audio Line-out x 1, Mic-in x 1 |
|                                | Stereo Speaker                  | 3 W x 2   |   |
|                                | Bus expansion                   | Full-size MiniPCIe/mSATA  |   |
|                                | Mounting                        | VESA 100 x 100 mm   |   |
|                                | Dimensions (W x H x D)          | 517.64 x 313.51 x 43.50 (mm)  |   |
| Weight                         | 8 kg (17.6 lb)                  |   |   |
| OS Support                     |                                 | Embedded Windows 7/Embedded Windows 8/<br>Window 10 IoT Enterprise/Linux Ubuntu 14.04/<br>Android 4.4.2                                       | Embedded Windows 7/Embedded Windows 8/<br>Window 10 IoT Enterprise  |
| Environmental Specifications   | Operating Temperature           | 0 ~ 40° C (32 ~ 104° F)   |   |
|                                | Relative Humidity               | 10 ~ 95% @ 40° C non-condensing   |   |
|                                | Vibration                       | 0.5G  |   |
|                                | Shock                           | 5G peak acceleration (11 msec. duration)  |   |
|                                | EMC/ Safety                     | CE, FCC, UL, CB, CCC, BSMI  |   |
|                                | Front Panel Protection          | IP65/ NEMA4 Compliant   |   |
| Power Supply                   | Input Rating                    | 12 V/5 A (60 W ITE Adapter)   | 12 V/7 A (84 W ITE Adapter)   |
|                                | Power consumption               | Typical 40W<br>Max. 50W   | Typical 45W<br>Max. 65W   |
| LCD Display                    | Size/Type                       | 21.5" TFT LCD with LED backlight  |   |
|                                | 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 (Optional 400)  |   |
| View Angle                     | 178°/178°                       |   |   |
| Touch Screen Option (PE/RE/GE) | Type                            | Projected Capacitive. Analog Resistive 5-wires / Glass Panel  |   |
|                                | Light Transmission              | 90% ± 2% / 80% ± 5% / 90%   |   |
|                                | Controller                      | USB Interface / USB Interface / -   |   |

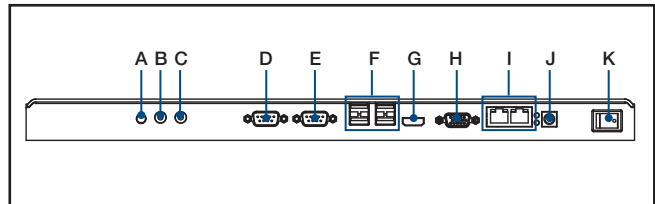
**Dimensions**



**Ordering Information**

| Part No.       | Description   |
|----------------|---|
| UTC-520D-RE    | 21.5" Intel® Celeron® J1900 Based fanless UTC with Resi.T/S. 4 GB RAM |
| UTC-520D-PE    | 21.5" Intel® Celeron® J1900 Based fanless UTC with PCT.T/S. 4 GB RAM  |
| UTC-520D-GE    | 21.5" Intel® Celeron® J1900 Based fanless UTC with Glass. 4 GB RAM    |
| UTC-520E-RE    | 21.5" Intel® Core™ i5-4300U Based fanless UTC with Resi.T/S. 4 GB RAM |
| UTC-520E-PE    | 21.5" Intel® Core™ i5-4300U Based fanless UTC with PCT.T/S. 4 GB RAM  |
| UTC-520E-GE    | 21.5" Intel® Core™ i5-4300U Based fanless UTC with Glass. 4 GB RAM    |
| 1702002605     | Power cord 2P FRANCE 10A/16A 220V 1.83M 90D                           |
| 1702002600     | Power Cord 3P UL/CSA(USA) 125V 10A 1.83M 180D                         |
| 1700000596     | Power Cord (China) CCC, 10A 250V, 3P 1830mm                           |
| 1700018704     | Power Cord UK BSI 2P 10A 250V 180cm 18AWG                             |
| 1960069544N001 | IO Cover for UTC-520 series   |

**Fully- Integrated I/O**



- A. Antenna Port
- B. Line-out
- C. Mic-in
- D. COM2
- E. COM1
- F. USB 3.0 x 2, USB 2.0 x 2  
(USB 3.0 x 1, USB 2.0 x 3 for UTC-520D)
- G. HDMI
- H. VGA
- I. LAN Ports x 2
- J. DC Input
- K. Power switch

Side groove design for Flexible peripheral device



**Peripherals for UTC-500 series**

| Part No.    | Description  |
|-------------|--|
| UTC-P01-A1E | 5M Camera Module For UTC-5XX (USB connection)            |
| UTC-P02-A0E | Magnet Strip Reader For UTC-5XX (USB connection)         |
| UTC-P03-A0E | RFID Reader For UTC-5XX (USB connection)                 |
| UTC-P06-A0E | Smart Card Reader For UTC-5XX (USB connection)           |
| UTC-P07-A1E | 1D/2D Barcode Reader For UTC-5XX (USB Connection)        |
| UTC-P21-A0E | 4 in 1 Modules Barcode reader + RFID + Card reader + MSR |

**Installation Accessory**

| Part No.         | Description  |
|------------------|--|
| 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                       |
| UTC-520-STAND1E  | Desktop stand for UTC-515/520                                  |
| UTC-H01-STANDE   | H-shaped floor stand   |
| UTC-T01-STANDE   | Triangle shape floor stand                                     |
| UTC-WALL-MOUNT1E | Wall Mount kit for UTC-515/520                                 |
| UTC-WALL-MOUNT3E | Wall Mount kit for UTC-515/520                                 |