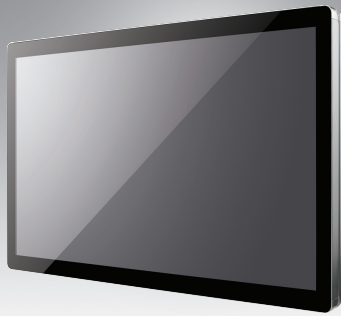


# UTC-520

## 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
- Featuring Antimicrobial Corning® Gorilla® Glass for Capacitive Touch Panel



### 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.

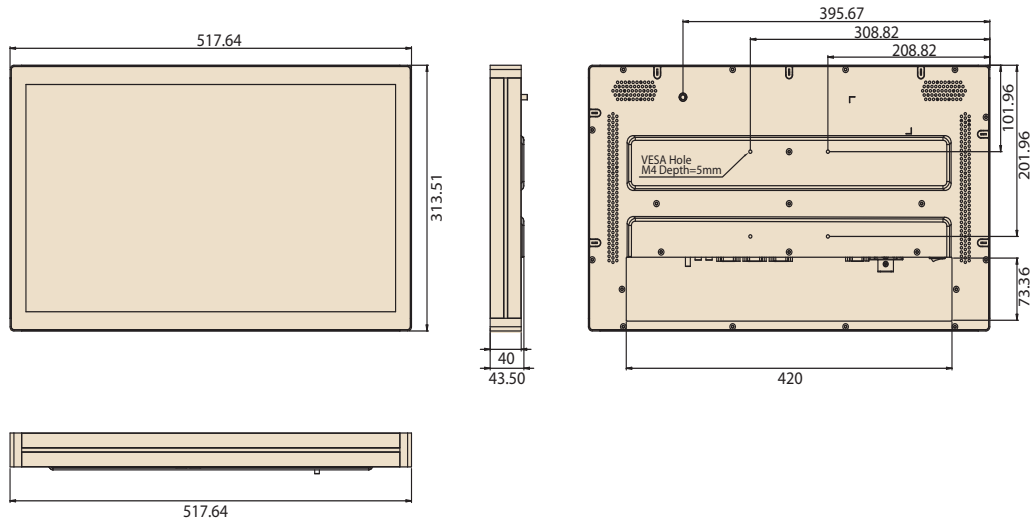
### Specifications

|                                |                        |                                                                                                                                               |                                                                                                                                               |
|--------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 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                     |                        | Windows Embedded 7, Windows Embedded 8, Linux Ubuntu 14.04                                                                                    |                                                                                                                                               |
| 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                                                                                                                    |                                                                                                                                               |
| Power Supply                   | Front Panel Protection | IP65/ NEMA4 Compliant                                                                                                                         |                                                                                                                                               |
|                                | Input Rating           | 12 V/5 A (60 W ITE Adapter)                                                                                                                   | 12 V/7 A (84 W ITE Adapter)                                                                                                                   |
| LCD Display                    | Power consumption      | Typical 40W<br>Max. 50W                                                                                                                       | Typical 45W<br>Max. 65W                                                                                                                       |
|                                | 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/m²)     | 250 (Optional 400)                                                                                                                            |                                                                                                                                               |
| Touch Screen Option (PE/RE/GE) | View Angle             | 178°/178°                                                                                                                                     |                                                                                                                                               |
|                                | Type                   | Projected Capacitive. Antimicrobial Corning® Gorilla® Glass / Analog Resistive 5-wires / Glass Panel                                          |                                                                                                                                               |
|                                | Light Transmission     | 90% ± 2% / 80% ± 5% / 90%                                                                                                                     |                                                                                                                                               |
|                                | Controller             | USB Interface / USB Interface / -                                                                                                             |                                                                                                                                               |

## UTC-520D UTC-520E

### Dimensions

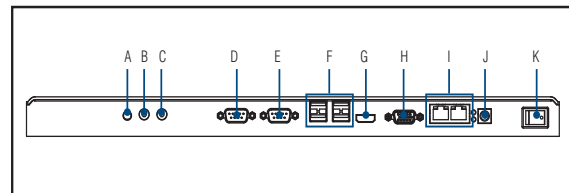
Unit: mm (inch)



### 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                            |

### 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                    |
|------------------|--------------------------------|
| 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 |

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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