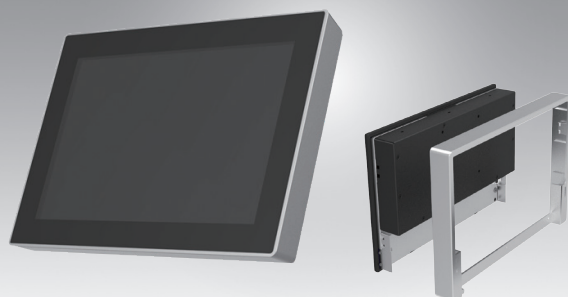


# UTC-510 (PoE)

## 10.1" Ubiquitous Touch Computer UTC-510D with Intel® Bay Trail N2807 / J1900

### Preliminary



### Features

- Low Power & Fanless design
- Built-in Intel® Bay Trail N2807 / J1900 (UTC-510D)
- Providing Natural Viewing Experience with 16:10 10.1" Display
- Front panel complies with IP65 protection standard
- Landscape & Portrait screen mode support by different applications
- VESA 75 mm standard mounting holes for varied mounting demands
- Detachable plastic frame design for panel mount applications
- POE supported on Bay Trail N2807/J1900 platform



## Introduction

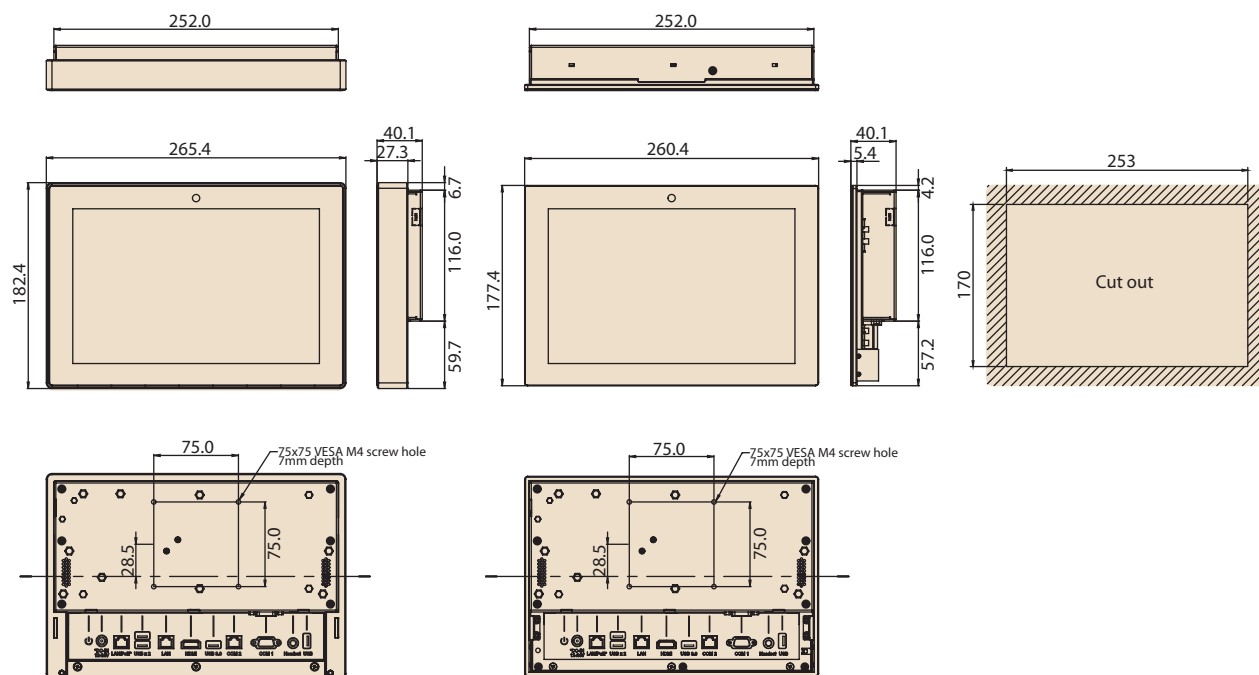
UTC-510 features an all-in-one computing system equipped with wide format, touch based LCD panel. It is easy to integrate key peripherals and display systems for diversified self-service and interactive signage deploy in different application areas. The systems deliver updated information with well-designed 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 N2807 (UTC-510D)                                                                     | Intel® Celeron J1900 (UTC-510D)       |
|                              | Base Frequency             | 1.58 GHz (Dual-Core)                                                                                | 2 GHz (Quad-Core)                     |
|                              | Cache                      | L2 Cache 1MB                                                                                        | L2 Cache 2MB                          |
|                              | Memory                     | 1 x SO-DIMM DDR3L 1333 MHz up to 8 GB                                                               | 1 x SO-DIMM DDR3L 1333 MHz up to 8 GB |
|                              | HDD                        | 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 (COM2 RS-422/485 supported)*                                                         |                                       |
|                              |                            | 3 x USB 2.0 / 1 x USB 3.0 / 1 x USB 2.0 (optional)                                                  |                                       |
|                              |                            | 2 x Gigabit Ethernet ports (1 with POE)                                                             |                                       |
|                              |                            | Headphone with MIC x1                                                                               |                                       |
|                              | Stereo Speaker             | 2 W x 2                                                                                             |                                       |
|                              | Bus expansion              | 1 Full size MiniPCIe/mSATA<br>1 Half size MiniPCIe                                                  |                                       |
| Mounting                     | VESA 75 x 75 mm            |                                                                                                     |                                       |
| Dimensions (W x H x D)       | 265.40 x 182.40 x 39.55 mm |                                                                                                     |                                       |
| Weight                       | 1.80 kg (3.97 lbs)         |                                                                                                     |                                       |
| OS Support                   |                            | Windows Embedded 7, Windows Embedded 8, Window 10 IoT Enterprise, Linux Ubuntu 14.04, Android 4.4.2 |                                       |
| Environmental Specifications | Operating Temperature      | 0 ~ 45° C (32 ~ 113° F)                                                                             | 0 ~ 40° C (32 ~ 104° F)               |
|                              | Relative Humidity          | 10 ~ 95% @ 40° C non-condensing                                                                     |                                       |
|                              | Vibration                  | 1G*                                                                                                 |                                       |
|                              | Shock                      | 5G peak acceleration (11 msec. duration)                                                            |                                       |
|                              | Certification              | CE, FCC, CB, UL, CCC, BSMI                                                                          |                                       |
|                              | Front Panel Protection     | IP 65 Compliant                                                                                     |                                       |
| Power Supply                 | POE                        | IEEE 802.3at/30W                                                                                    |                                       |
|                              | DC Input Rating            | Optional (12 V/3 A ~ 24 V/1.5 A, 36W ITE Adapter)                                                   |                                       |
|                              | Power consumption          | Typical 10W<br>Max. 20W                                                                             |                                       |
| LCD Display                  | Size/Type                  | 10.1" TFT LCD with LED backlight                                                                    |                                       |
|                              | Max.Resolution             | 1280 x 800                                                                                          |                                       |
|                              | Max. Color                 | 16.7M                                                                                               |                                       |
|                              | Pixel Pitch (um)           | 169.5 x 169.5                                                                                       |                                       |
|                              | Brightness (cd/m²)         | 350                                                                                                 |                                       |
|                              | View Angle                 | 170 / 170                                                                                           |                                       |
|                              | Camera                     | 5 Mega Pixel (Optional)                                                                             |                                       |
| Touch Screen Option (PE/GE)  | Type                       | Projected Capacitive. Glass Panel                                                                   |                                       |
|                              | Light Transmission         | 80% ± 5% / 90%                                                                                      |                                       |
|                              | Controller                 | USB Interface / -                                                                                   |                                       |

## Dimensions

Unit: mm



## Ordering Information

| Part No.        | Description                                                           |
|-----------------|-----------------------------------------------------------------------|
| UTC-510DP-APB0E | 10.1" Intel Celeron N2807 Based fanless UTC with PCT.T/S 2GB RAM, PoE |
| UTC-510DP-APB1E | 10.1" Intel Celeron J1900 Based fanless UTC with PCT.T/S 2GB RAM, PoE |
| 1700001524      | Power Cord 3P UL 10A 125V 180cm                                       |
| 170203180A      | Power Cord 3P UK 2.5A/3A 250V 1.83M                                   |
| 170203183C      | POWER Cord 3P Europe (WS-010+WS-083)183cm                             |
| 1700021374-01   | Power Cord 3P CCC 2.5A 250V 250cm (IEC60320-C5)                       |
| 1960073820N001  | IO Cover UTC-510                                                      |
| 1931031500      | Screws for IO Cover UTC-510(*2)                                       |

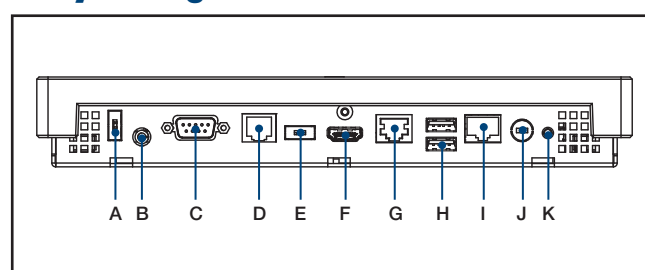
## Peripherals for UTC-510 series

| Part No.      | Description                                      |
|---------------|--------------------------------------------------|
| UTC-510P-R01E | RFID Reader For UTC-510 (USB connection)         |
| UTC-510P-B01E | 1D Barcode Scanner for UTC-510 (USB connection)  |
| UTC-510P-B02E | 2D Barcode Scanner for UTC-510 (USB connection)  |
| UTC-510P-M01E | Magnet Strip Reader For UTC-510 (USB connection) |

## Installation Accessory

| Part No.         | Description                        |
|------------------|------------------------------------|
| UTC-WALL-MOUNT1E | Wall Mount kit for UTC-520/515/510 |
| UTC-WALL-MOUNT4E | UTC-510 VESA mount (75 x 75)       |
| UTC-S03-STANDE   | UTC 75*75 mm Desktop Stand         |
| UTC-510-STAND0E  | UTC-510 desktop stand              |
| 1960074091N000   | UTC-510 Panel Mount Clamper (*4)   |
| 1930005598       | UTC-510 Panel Mount Screw (*4)     |

## Fully- Integrated I/O



- A. USB 2.0\* (DC version only)
- B. Headset
- C. COM1
- D. COM2
- E. USB 3.0\* (DC version only)
- F. HDMI

- G. LAN Ports
- H. USB 2.0 x 2
- I. LAN/PoE Ports
- J. DC Power jack
- K. Power switch

\* UTC-510 (PoE) – A PoE Powered Device (PD) is a device powered by a PSE and thus consumes energy.

Please do take a Power sourcing equipment (PSE) which follows IEEE 802.3at PoE standard, also known as PoE+ or PoE plus, provides up to 30W of DC power output. Only 25.5 W input is assured to be available at the powered device as some power dissipates in the cable.

For Standard UTC-510 PoE Version, 1 x USB 2.0 (A port) and 1 x USB 3.0 (E port) are not suggested to use.

The customer can change the configuration only when total power input is under 25.5 W.