

UTC-318

18.5" Ubiquitous Touch Computer UTC-318D with Intel® BayTrail J1900 UTC-318E with Intel® Haswell i5-4300U



Features

- High performance with low power consumption
- Fanless design for quiet operation
- Built in Intel BayTrail J1900 (UTC-318D) and Haswell i5-4300U (UTC-318E)
- Providing Natural Viewing Experience with 16:9 18.5" 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

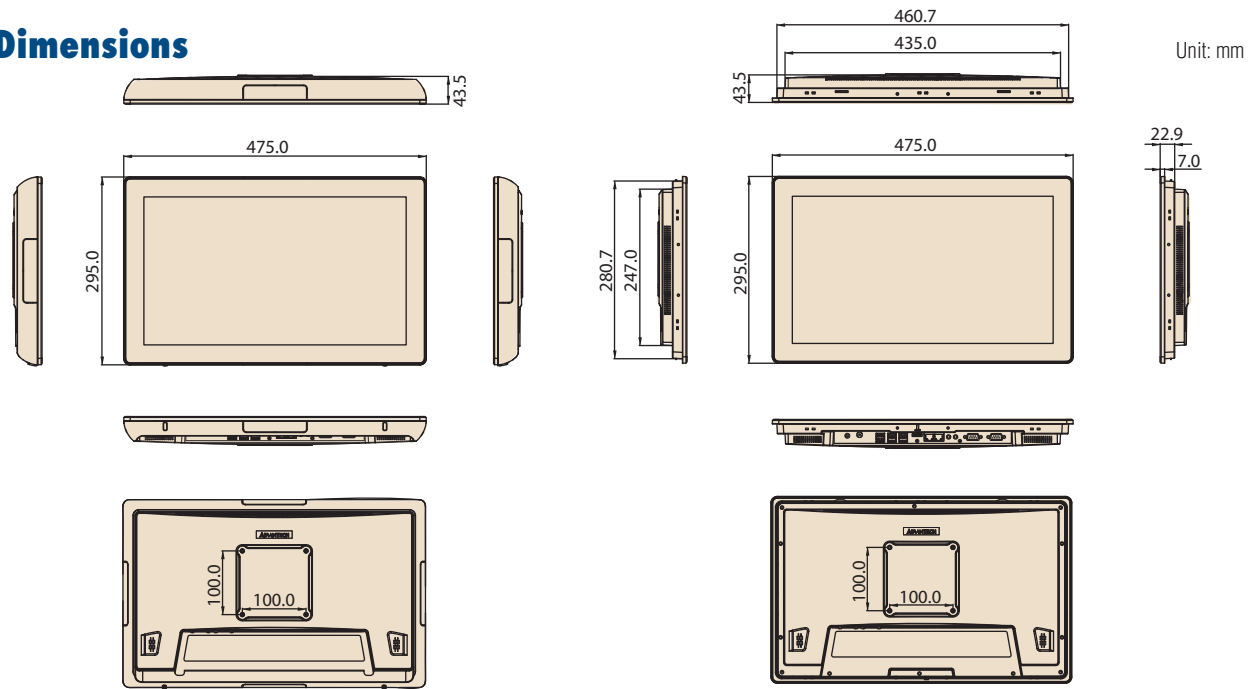
UTC-318 is the multi-purpose all-in-one computing system which equipped with wide format, touch based LCD panel. It is easy to integrate key peripherals and display systems for diversified self-service and interactive signage deploy in different application areas. With the removable frame, the system 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 | Intel® Haswell Core i5-4300U | |
| | Basic Frequency | 2.0 GHz (Quad-Core) | 1.9GHz (Duo Core) | |
| | L2 Cache | 2MB | 3MB | |
| | 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 | | 1 x RS-232 (optional CSAFE), 1 x RS-232/422/485 |
| | | 5 x USB 2.0 / 1 x USB 3.0 | | 2 x USB 2.0 / 4 x USB 3.0 |
| | | 2 x Gigabit Ethernet (RJ-45) | | 2 x Gigabit Ethernet (RJ-45) |
| | | 1 x HDMI | | 1 x HDMI |
| | | Audio Line-out x 1, Mic-in x 1 | | Audio Line-out x 1, Mic-in x 1 |
| | | RJ-11 (option) | | 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) | | | |
| OS support | Windows Embedded 8.1 Industry Pro 64bit Windows Embedded Standard 8 64bit Windows Pro Embedded 7 SP1 64bit Windows Embedded Standard 7P 32bit Windows Embedded Standard 7E 32bit Android 4.4 | | | |
| 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) | 12-30V/7A (84W ITE Adapter) | |
| | Power consumption | Typical 32W 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 | | |

*UTC-318E preliminary datasheet, specification may vary in final version.

Dimensions



Ordering Information

| Part No. | Description |
|-----------------|-------------------------------------------------------------------|
| UTC-318DR-ATW0E | 18.5" White, Intel® Celeron J1900, Res 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-ATW0E | 18.5" White, Intel® Celeron J1900, PCap T/S, 4 GB RAM, IT Adapter |
| UTC-318DP-ATB0E | 18.5" Black, Intel® Celeron J1900, PCap T/S, 4 GB RAM, IT Adapter |
| UTC-318ER-ATW0E | 18.5" White, Intel Core i5-4300U, Res T/S 4GB RAM, IT Adapter |
| UTC-318ER-ATB0E | 18.5" Black, Intel Core i5-4300U, Res T/S 4GB RAM, IT Adapter |
| UTC-318EP-ATW0E | 18.5" White, Intel Core i5-4300U, PCap T/S 4GB RAM, IT Adapter |
| UTC-318EP-ATB0E | 18.5" Black, Intel Core i5-4300U, PCap T/S 4GB RAM, IT Adapter |

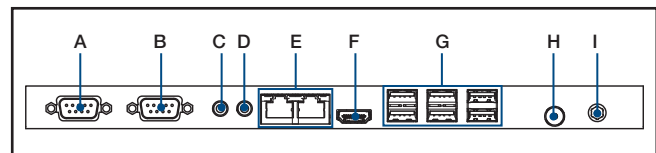
UTC-318 WiFi Ordering Information

| Part No. | Description |
|---------------|------------------------------------------------------------------------|
| UTC-300P-W10E | WiFi Antenna x 2 pcs WiFi Module x 1 pc Screws for module x 2pcs |

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 |
| 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 |

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-318D)
USB 2.0 x 2 / USB 3.0 x 4 (UTC-318E)
- H. Power button
- I. DC input 12V (UTC-318D)
12-30V (UTC-318E)

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, Cino, for UTC-318 |
| UTC-300P-B21E | 2D Barcode Reader, Cino, for UTC-318 |
| UTC-300P-B40E | 1D Barcode Reader, Newland, for UTC-318 |
| UTC-300P-B41E | 2D Barcode Reader, Newland, for UTC-318 |

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 | Power Cord (China) CCC,10A 250V, 3P 1830mm |
| 1700018704 | Power Cord UK BSI 2P 10A 250V 180cm 18AWG |