

UTC-318

18.5" Ubiquitous Touch Computer
UTC-318D with Intel® Celeron® J1900
UTC-318E with Intel® Core™ i5-4300U
UTC-318F with Intel® Core™ i5-6300U
UTC-318G with Intel® Pentium® N4200(default)/
Intel® Celeron® N3350



Features

- Low power and fanless system design
- Built in Intel Celeron® J1900 (UTC-318D), Core™ i5-4300U (UTC-318E), Core™ i5-6300U (UTC-318F) and Pentium® N4200 (default)/Celeron® N3350 (UTC-318G)
- 18.5" monitor with 16:9 widescreen display
- IP65-rated front panel for water and dust resistance
- Supports both landscape and portrait screen orientations
- VESA 100 mm standard mounting holes for varied mounting demands
- Detachable frame design for panel mount applications



Introduction

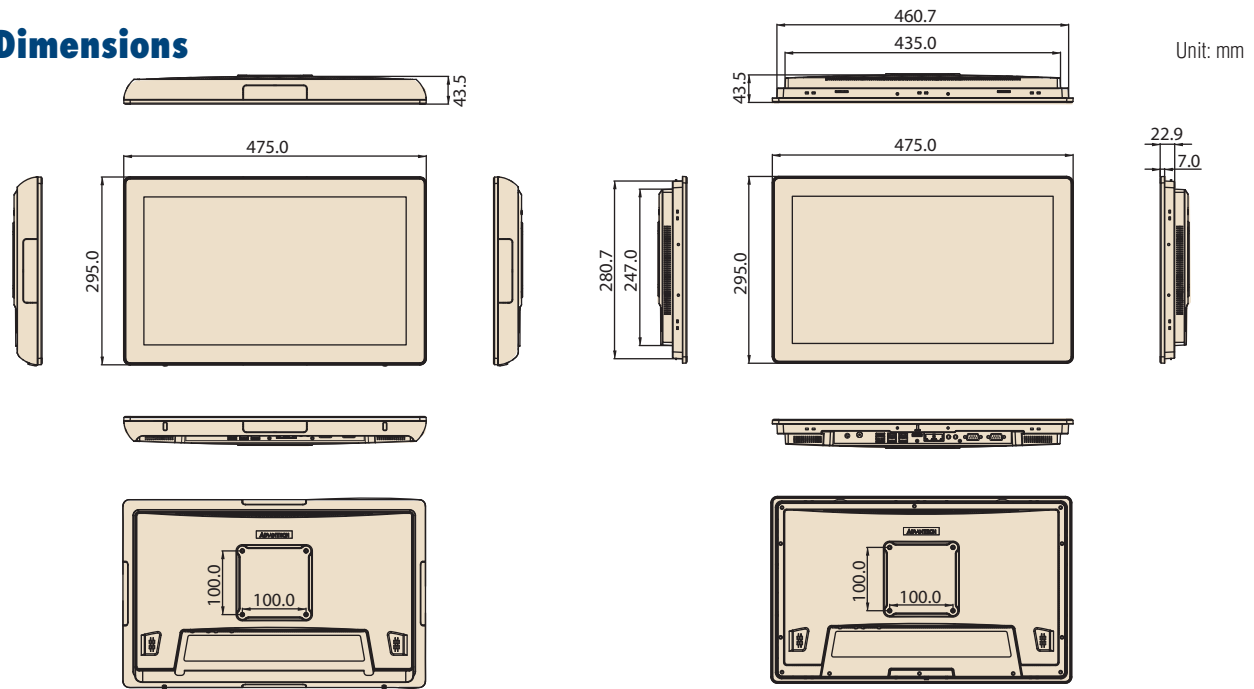
UTC-318 is the multi-purpose all-in-one computing system which equipped with wide format, touch based LCD panel. It is easy to integrate key peripherals and display systems for diversified self-service and interactive signage deploy in different application areas. With the removable frame, the system 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® Celeron® J1900 | Intel® Core™ i5-4300U | Intel® Core™ i5-6300U | Intel® Pentium® N4200(default) Intel® Celeron® N3350 |
| | Basic Frequency | 2.0 GHz (Quad-Core) | 1.9GHz (Duo Core) | 2.4GHz (Duo Core) | 1.10 GHz (Quad-Core) |
| | Cache | L2 Cache MB | L3 Cache 3MB | L3 Cache 3MB | L2 Cache 2MB |
| | 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 5 x USB 2.0 / 1 x USB 3.0 2 x Gigabit Ethernet (RJ-45) 1 x HDMI Audio Line-out x 1, Mic-in x 1 | 1 x RS-232 (optional CSAFE) 1 x RS-232/422/485 2 x USB 2.0 / 4 x USB 3.0 2 x Gigabit Ethernet (RJ-45) 1 x HDMI 1 x RJ-11 Audio Line-out x 1, Mic-in x 1 | 1 x RS-232 1 x RS-232/422/485 2 x USB 2.0 / 4 x USB 3.0 2 x Gigabit Ethernet (RJ-45) 1 x HDMI 1 x RJ-11 Audio Line-out x 1, Mic-in x 1 | 1 x RS-232 1 x RS232 / 422 /485 2 x USB 2.0 / 4 x USB 3.0 2 x Gigabit Ethernet (RJ-45) 1 x RJ11 1 x HDMI 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) | 475 x 295 x 43.5 mm | | | | |
| Weight | 5 kg | | | | |
| OS support | WES 7P 32bit WES 7E 32bit Windows Pro Embedded 7 SP1 64bit WEBS 64bit Windows Embedded 8.1 Industry Pro 64bit Win 10 IoT Enterprise 64bit Linux Ubuntu 16.04 Android 4.4 | | WES 7P 32bit WES 7E 32bit Windows Pro Embedded 7 SP1 64bit WE8S 64bit Windows Embedded 8.1 Industry Pro 64bit Win 10 IoT Enterprise 64bit Linux Ubuntu 16.04 | | Win 10 IoT Enterprise 64bit Android 6.0 Linux Ubuntu 17.04 |
| 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) *12-30V Optional | 12-30V/7A (84W ITE Adapter) | | |
| | Power consumption | Typical 32W Max. 70W | | | |
| LCD Display | Size | 18.5" TFT LCD | | | |
| | Max Resolution | 1366 x 768 (FHD 1920 x 1080 Optional) | | | |
| | Max Color | 16.7M | | | |
| | Pixel Pitch (um) | 300(H) x 300(V) | | | |
| | Brightness (cd/m ²) | 250 (Typical) | | | |
| View Angle | 170°/160° | | | | |
| Touch Screen | Type | Analog Resistive 5-wires (Res. Flat Glass) / Projected Capacitive Touch Panel (Pcap. Flat Glass) / Glass Panel | | | |
| | 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



Unit: mm

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-318FR-ATW0E | 18.5" White, Intel Skylake Core i5-6300U, Res T/S 4GB RAM, IT Adapter |
| UTC-318FR-ATB0E | 18.5" Black, Intel Skylake Core i5-6300U, Res T/S 4GB RAM, IT Adapter |
| UTC-318FP-ATW0E | 18.5" White, Intel Skylake Core i5-6300U, PCap T/S 4GB RAM, IT Adapter |
| UTC-318FP-ATB0E | 18.5" Black, Intel Skylake Core i5-6300U, PCap T/S 4GB RAM, IT Adapter |
| UTC-318GR-ATW0E | 18.5" White, Intel® Pentium N4200, Res T/S, 4 GB RAM, IT Adapter |
| UTC-318GR-ATB0E | 18.5" Black, Intel® Pentium N4200, Res T/S, 4 GB RAM, IT Adapter |
| UTC-318GP-ATW0E | 18.5" White, Intel® Pentium N4200, PCap T/S, 4 GB RAM, IT Adapter |
| UTC-318GP-ATB0E | 18.5" Black, Intel® Pentium N4200, PCap T/S, 4 GB RAM, IT Adapter |

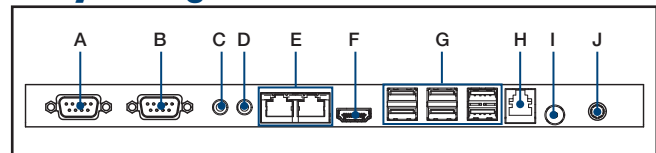
UTC-318 WiFi Ordering Information

| Part No. | Description |
|---------------|---|
| UTC-300P-W10E | WiFi Antenna x 2 pcs WiFi Module x 1 pc Screws for module x 2pcs |
| UTC-300P-W11E | WiFi Antenna x 2 pcs WiFi Module x 1 pc Screws for module x 2pcs Half_Minipcie bracket x 1pc (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-318D)
USB 2.0 x 2 / USB 3.0 x 4 (UTC-318E/UTC-318F/UTC-318G)
- H. RJ-11 (UTC-318E/UTC-318F/UTC-318G)
- I. Power button
- J. DC input 12V (UTC-318D)
12-30V (UTC-318E/UTC-318F/UTC-318G)

Peripherals for UTC-300 series

| Part No. | Description |
|----------------|--|
| UTC-300P-C20E | 5M Camera Module, White, for UTC-300 series |
| UTC-300P-C21E | 5M Camera Module, Black, for UTC-300 series |
| UTC-300P-M20E | Magnet Strip Reader, White, for UTC-300 series |
| UTC-300P-M21E | Magnet Strip Reader, Black, for UTC-300 series |
| UTC-300P-R20E | RFID Reader, White, for UTC-300 series |
| UTC-300P-R21E | RFID Reader, Black, for UTC-300 series |
| UTC-300P-S20E | Smart Card Reader, White, for UTC-300 series |
| UTC-300P-S21E | Smart Card Reader, Black, for UTC-300 series |
| UTC-300P-B60E | 2D Barcode Reader, White for UTC-300 series |
| UTC-300P-B61E | 2D Barcode Reader, Black for UTC-300 series |
| UTC-300P-FP11E | Fingerprint Reader (black) for UTC-300 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 |