

# 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

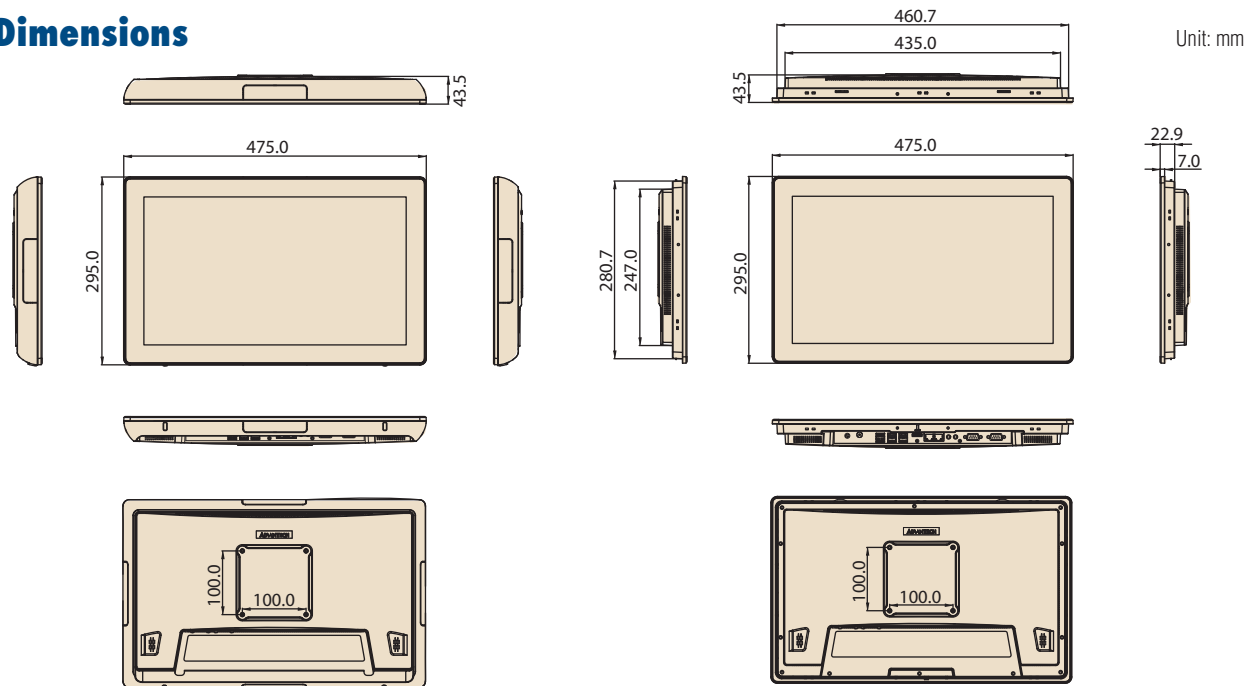
UTC-318 is the multi-purpose all-in-one computing system which equipped with wide format, touch based LCD panel. It is easy to integrate key peripherals and display systems for diversified self-service and interactive signage deploy in different application areas. With the removable frame, the system 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
	Stereo Speaker	Audio Line-out x 1, Mic-in x 1		Audio Line-out x 1, Mic-in x 1
		RJ-11 (option)		RJ-11 (option)
	BUS expansion	1W x 2		
	Mounting	Full-size MiniPCIe/mSATA		
Dimension(WxHxD)	VESA 100 x 100			
Weight	475 x 295 x 43.5 mm			
	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

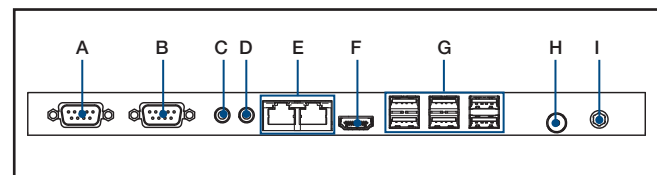
### UTC-318 WiFi Ordering Information

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, Newland, for UTC-318
UTC-300P-B41E	2D Barcode, Newland, for UTC-318