



**THE DATASHEET OF
UTC-318DP-ATB0E**



UTC-318

18.5" Ubiquitous Touch Computer UTC-318D with Intel® BayTrail J1900 UTC-318E with Intel® Haswell i5-4300U UTC-318F with Intel® Skylake i5-6300U



Features

- High performance with low power consumption
- Fanless design for quiet operation
- Built in Intel BayTrail J1900 (UTC-318D), Haswell i5-4300U (UTC-318E) and Skylake i5-6300U (UTC-318F)
- 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

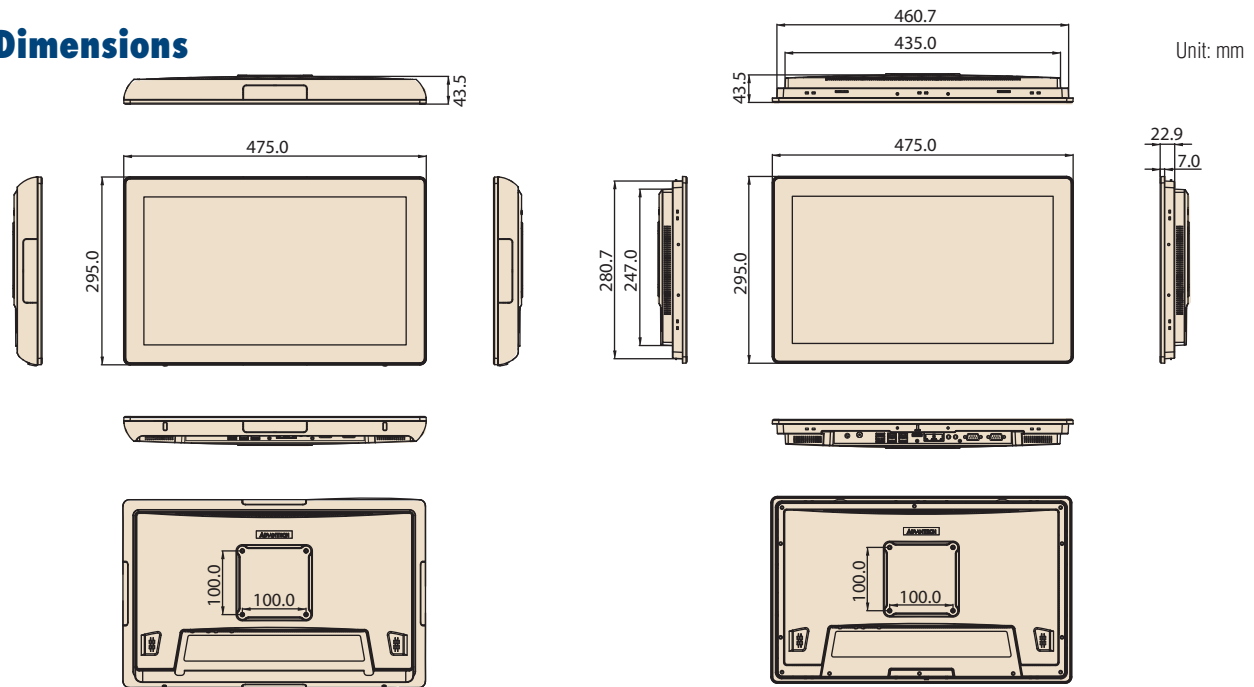
UTC-318 is the multi-purpose all-in-one computing system which equipped with wide format, touch based LCD panel. It is easy to integrate key peripherals and display systems for diversified self-service and interactive signage deploy in different application areas. With the removable frame, the system 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	Intel® Skylake Core i5-6300U	
	Basic Frequency	2.0 GHz (Quad-Core)	1.9GHz (Duo Core)	2.4GHz (Duo Core)	
	L2 Cache	2MB	3MB		
	Memory	1 x SO-DIMM DDR3L 1333 MHz up to 8 GB		1 x SO-DIMM DDR4 2133 MHz up to 16 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
		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		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 Win 10 IoT Enterprise Android 4.4 Linux Ubuntu 16.04	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 Windows 10 IoT Linux Ubuntu 16.04	
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/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



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

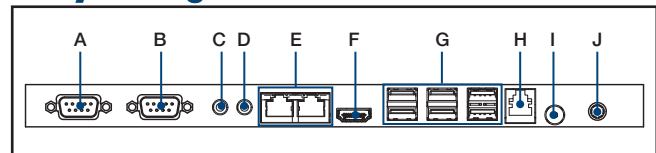
UTC-318 WiFi Ordering Information

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-MOUNT2E	Wall Mount Kit (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)
- H. RJ-11 (UTC-318E/UTC-318F)
- I. Power button
- J. DC input 12V (UTC-318D)
12-30V (UTC-318E/UTC-318F)

Peripherals for UTC-318 series

Part No.	Description
UTC-300P-C20E	5M Camera Module, White, for UTC-318/UTC-320 series
UTC-300P-C21E	5M Camera Module, Black, for UTC-318/UTC-320 series
UTC-300P-M20E	Magnet Strip Reader, White, for UTC-318/UTC-320 series
UTC-300P-M21E	Magnet Strip Reader, Black, for UTC-318/UTC-320 series
UTC-300P-R20E	RFID Reader, White, for UTC-318/UTC-320 series
UTC-300P-R21E	RFID Reader, Black, for UTC-318/UTC-320 series
UTC-300P-S20E	Smart Card Reader, White, for UTC-318/UTC-320 series
UTC-300P-S21E	Smart Card Reader, Black, for UTC-318/UTC-320 series
UTC-300P-BB40E	1D Barcode Reader, Black, for UTC-318/UTC-320 series
UTC-300P-BW40E	1D Barcode Reader, White, for UTC-318/UTC-320 series
UTC-300P-BB41E	2D Barcode Reader, Black, for UTC-318/UTC-320 series
UTC-300P-BW41E	2D Barcode Reader, White, for UTC-318/UTC-320 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

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 [Advantech Corp Information](#)

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