

# UTC-315

**15.6" Ubiquitous Touch Computer**  
**UTC-315D with Intel® Celeron® J1900**  
**UTC-315E with Intel® Core™ i5-4300U**  
**UTC-315F with Intel® Core™ i5-6300U**  
**UTC-315G with Intel® Pentium® N4200E**  
**UTC-315H with Intel® Core™ i5-8365UE**



## Features

- Low power and fanless system design
- Built in Intel Celeron® J1900 (UTC-315D), Core™ i5-4300U (UTC-315E), Core™ i5-6300U (UTC-315F) and, Pentium® N4200E (UTC-315G) and Intel® Core™ i5-8365UE (UTC-315H)
- 15.6" monitor with 16:9 widescreen display
- IP65-rated front panel for water and dust resistance
- Supports both landscape and portrait screen orientations
- VESA 75 mm standard mounting holes for varied mounting demands
- Detachable frame design for panel mount applications



## Introduction

UTC-315 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.

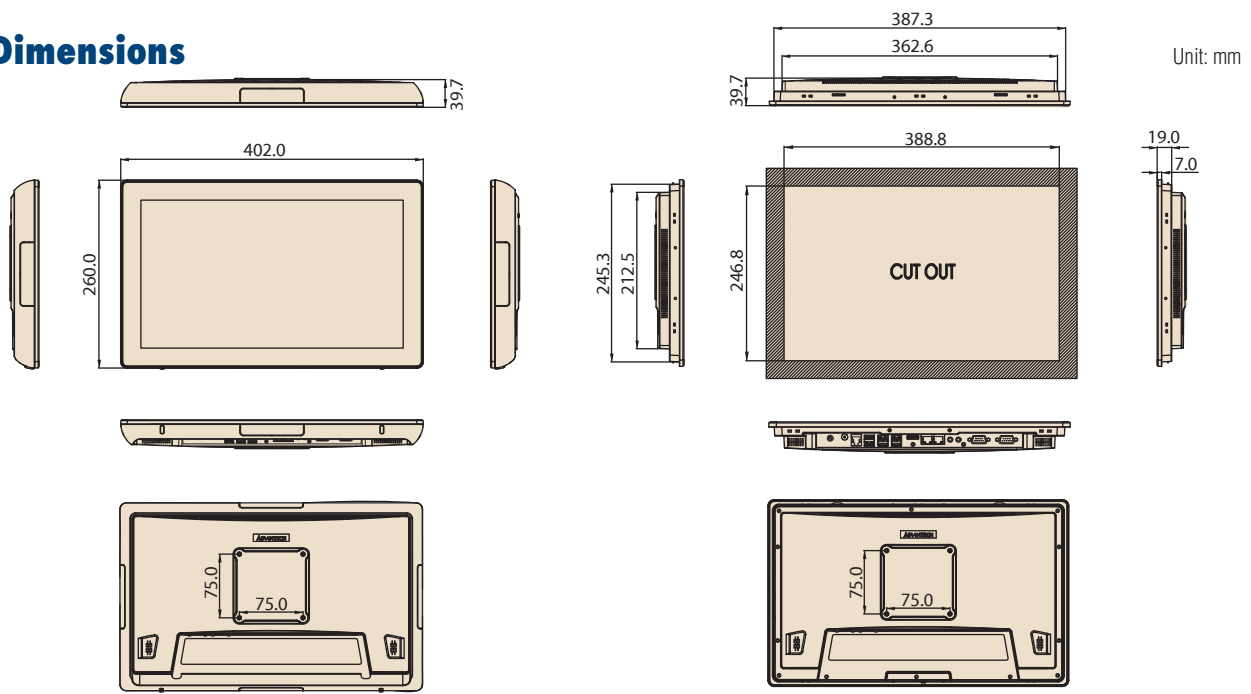
## Specifications

Model	UTC-315D	UTC-315E	UTC-315F		
Processor System	CPU	Intel® Celeron® J1900	Intel® Core™ i5-4300U		
	Basic Frequency	2.0 GHz (Quad-Core)	1.9GHz (Duo Core)		
	L2 Cache MB	2MB	L3 Cache 3MB		
	Memory	1 x 204pin SO-DIMM DDR3L 1333 MHz up to 8 GB		1 x 260pin 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 1 x RJ-11 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	2Wx2		
		BUS expansion	Full-size MiniPCIe/mSATA		
Mounting	VESA 75 x 75 Screw Size: M4, 10mm				
Dimension (W x H x D)	402 x 260 x 39.7 mm				
Weight	3.5 kg				
OS support		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 Android 6.0	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		
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	15.6" TFT LCD			
	Max Resolution	1366 x 768 (FHD 1920 x 1080 Optional)			
	Max Color	262K			
	Pixel Pitch (um)	252(H) x 252(V)			
	Brightness (cd/m²)	220 (Typical)			
View Angle	90° /60°(170°/ 170° Optional)				
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			

## Specifications

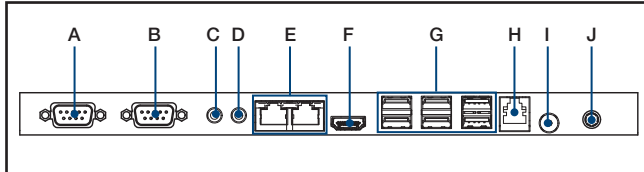
Model		UTC-315G	UTC-315H	
Processor System	CPU	Intel® Pentium® N4200E (Default) Intel® Celeron® N3350 (Available)	Intel® Core™ i5-8365UE (Default) Intel® Core™ i3-8145UE (Available)	
	Basic Frequency	1.10 GHz (Quad-Core)	1.6GHz(Quad-Core)	
	L2 Cache MB	L2 Cache 2MB	L3 Cache 3MB	
	Memory	1 x 204pin SO-DIMM DDR3L 1866 MHz up to 8GB	1X 260pin SO-DIMM DDR4 2400 MHz up to 32GB	
	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 2 x USB 2.0 / 4 x USB 3.0 2 x Gigabit Ethernet (RJ-45) 1 x HDMI 1 x RJ11 Audio Line-out x 1, Mic-in x 1	1 x RS-232 1 x RS-232/485 6 x USB 3.1 2 x Gigabit Ethernet (RJ-45) 1 x HDMI 1 x DP Audio Line-out x 1, Mic-in x 1
		Stereo Speaker	2Wx2	
	BUS expansion	M.2 2280 (NVMe) or M.2 2242 / M.2 2230		
	Mounting	VESA 75 x 75 Screw Size: M4, 10mm		
	Dimension (W x H x D)	402 x 260 x 39.7 mm		
	Weight	3.5 kg		
	OS support		Win 10 IoT Enterprise 64bit Android 10.0 Linux Ubuntu 18.04	Win 10 IoT Enterprise 64bit Linux Ubuntu 18.04
Operating Temperature		0 - 40° C (32 - 104° F)		
Environmental Specifications	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	15.6" TFT LCD		
	Max Resolution	1920 x 1080		
	Max Color	262K		
	Pixel Pitch (um)	252(H) x 252(V)		
	Brightness (cd/m <sup>2</sup> )	220(Typical)		
View Angle	170°/ 170°			
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		

## Dimensions



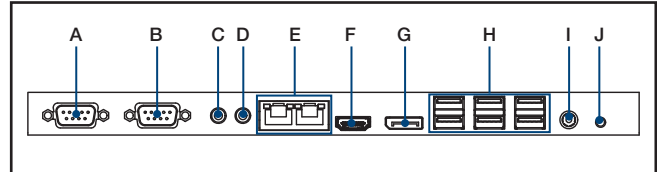
## Fully- Integrated I/O

### UTC-315D/E/F/G



- 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-315D)
- USB 2.0 x 2 / USB 3.0 x 4 (UTC-315E/UTC-315F/UTC-315G)
- H. RJ-11
- I. Power button
- J. DC input 12V (UTC-315D/UTC-315G)
- 12-30V (UTC-315E/UTC-315F)

### UTC-315H



- A. COM1
- B. COM2
- C. Mic in
- D. Line-out
- E. LAN ports x 2
- F. HDMI
- G. DP
- H. USB 3.1 x 6
- I. DC input 12-30V
- J. Power button

## Ordering Information

Part No.	US only P/N	Description
UTC-315DR-ATW0E	UTC-315DR-USW0E	15.6" White, Intel® Celeron® J1900, Res T/S, 4 GB RAM, IT Adapter
UTC-315DR-ATB0E	UTC-315DR-USB0E	15.6" Black, Intel® Celeron® J1900, Res T/S, 4 GB RAM, IT Adapter
UTC-315DP-ATW0E	UTC-315DP-USW0E	15.6" White, Intel® Celeron® J1900, PCap T/S, 4 GB RAM, IT Adapter
UTC-315DP-ATB0E	UTC-315DP-USB0E	15.6" Black, Intel® Celeron® J1900, PCap T/S, 4 GB RAM, IT Adapter
UTC-315ER-ATW0E	UTC-315ER-USW0E	15.6" White, Intel® Core™ i5-4300U, Res T/S 4GB RAM, IT Adapter
UTC-315ER-ATB0E	UTC-315ER-USB0E	15.6" Black, Intel® Core™ i5-4300U, Res T/S 4GB RAM, IT Adapter
UTC-315EP-ATW0E	UTC-315EP-USW0E	15.6" White, Intel® Core™ i5-4300U, PCap T/S 4GB RAM, IT Adapter
UTC-315EP-ATB0E	UTC-315EP-USB0E	15.6" Black, Intel® Core™ i5-4300U, PCap T/S 4GB RAM, IT Adapter
UTC-315FR-ATW0E	UTC-315FR-USW0E	15.6" White, Intel® Core™ i5-6300U, Res T/S 4GB RAM, IT Adapter
UTC-315FR-ATB0E	UTC-315FR-USB0E	15.6" Black, Intel® Core™ i5-6300U, Res T/S 4GB RAM, IT Adapter
UTC-315FP-ATW0E	UTC-315FP-USW0E	15.6" White, Intel® Core™ i5-6300U, PCap T/S 4GB RAM, IT Adapter
UTC-315FP-ATB0E	UTC-315FP-USB0E	15.6" Black, Intel® Core™ i5-6300U, PCap T/S 4GB RAM, IT Adapter
UTC-315GR-ATW0E	UTC-315GR-USW0E	15.6" White, Intel® Pentium® N4200E, Res T/S, 4 GB RAM, IT Adapter
UTC-315GR-ATB0E	UTC-315GR-USB0E	15.6" Black, Intel® Pentium® N4200E, Res T/S, 4 GB RAM, IT Adapter
UTC-315GP-ATW0E	UTC-315GP-USW0E	15.6" White, Intel® Pentium® N4200E, PCap T/S, 4 GB RAM, IT Adapter
UTC-315GP-ATB0E	UTC-315GP-USB0E	15.6" Black, Intel® Pentium® N4200E, PCap T/S, 4 GB RAM, IT Adapter
UTC-315HR-ATW0E	UTC-315HR-USW0E	15.6" White, Intel® Core™ i5-8365UE, Res T/S 4GB RAM, IT Adapter
UTC-315HR-ATB0E	UTC-315HR-USB0E	15.6" Black, Intel® Core™ i5-8365UE, Res T/S 4GB RAM, IT Adapter
UTC-315HP-ATW0E	UTC-315HP-USW0E	15.6" White, Intel® Core™ i5-8365UE, PCap T/S 4GB RAM, IT Adapter
UTC-315HP-ATB0E	UTC-315HP-USB0E	15.6" Black, Intel® Core™ i5-8365UE, PCap T/S 4GB RAM, IT Adapter

\*White Touch Bezel could be customized by customer request with MOQ

### UTC-315 WiFi Ordering Information

Part No.	US only P/N	Description
UTC-300P-W10E	UTC-300P-W10U	WiFi Kit for UTC-315D/E/F (MiniPCIe, WiFi only)
UTC-300P-W11E	UTC-300P-W11U	WiFi Kit for UTC-315D/E/F (MiniPCIe, WiFi and Bluetooth)
UTC-300P-W12E	UTC-300P-W12U	WiFi Kit for UTC-315G/H (M.2 2230, WiFi and Bluetooth)

### Installation Accessory

Part No.	US only P/N	Description
UTC-300P-D10E	UTC-300P-D10U	Desk Stand, Single Color-Silver (UTC-315 series)
UTC-WALL-MOUNT1E	Not applicable	Wall Mount Kit (UTC-315/UTC-318/UTC-320 series)
UTC-WALL-MOUNT3E	Not applicable	Wall Mount Kit (UTC-315/UTC-318/UTC-320 series)
UTC-T01-STANDE	Not applicable	Triangle shape floor stand (UTC-315/UTC-318/UTC-320 series)
UTC-H01-STANDE	Not applicable	H-shaped floor stand (UTC-315/UTC-318/UTC-320 series)
UTC-PANEL-MOUNT6E	UTC-PANEL-MOUNT6U	Panel mount Kit (UTC-315 series)

### Peripherals for UTC-300 series

Part No.	US only P/N	Description
UTC-300P-C20E	UTC-300P-C20U	5M Camera Module, White, for UTC-300 series
UTC-300P-C21E	UTC-300P-C21U	5M Camera Module, Black, for UTC-300 series
UTC-300P-M20E	UTC-300P-M20U	Magnet Strip Reader, White, for UTC-300 series
UTC-300P-M21E	UTC-300P-M21U	Magnet Strip Reader, Black, for UTC-300 series
UTC-300P-R20E	UTC-300P-R20U	RFID Reader, White, for UTC-300 series
UTC-300P-R21E	UTC-300P-R21U	RFID Reader, Black, for UTC-300 series
UTC-300P-S20E	UTC-300P-S20U	Smart Card Reader, White, for UTC-300 series
UTC-300P-S21E	UTC-300P-S21U	Smart Card Reader, Black, for UTC-300 series
UTC-300P-B60E	UTC-300P-B60U	2D Barcode Reader, White for UTC-300 series
UTC-300P-B61E	UTC-300P-B61U	2D Barcode Reader, Black for UTC-300 series
UTC-300P-FP11E	UTC-300P-FP11U	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
1700000237	Power Cord PSE 3P 12A 125V 183cm
1700001714	Power Cord BSMI 3P 7A 125V 183cm