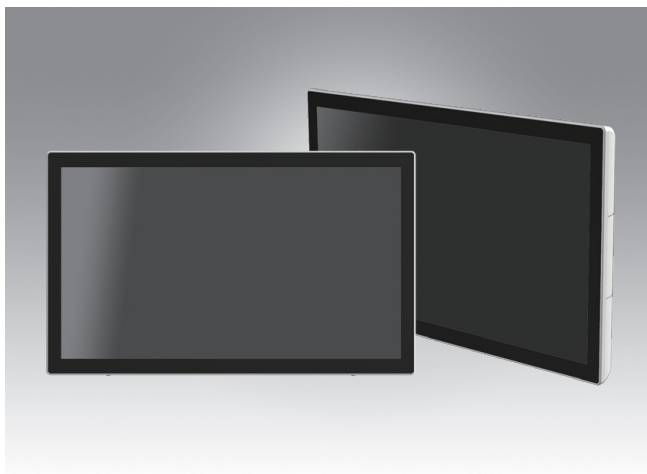


# UTC-320

**21.5" Ubiquitous Touch Computer**  
**UTC-320D with Intel® Celeron® J1900**  
**UTC-320E with Intel® Core™ i5-4300U**  
**UTC-320F with Intel® Core™ i5-6300U**  
**UTC-320G with Intel® Pentium® N4200E**  
**UTC-320H with Intel® Core™ i5-8365UE**



## Features

- Low power and fanless system design
- Built in Intel Celeron® J1900 (UTC-320D), Core™ i5-4300U (UTC-320E), Core™ i5-6300U (UTC-320F) and, Pentium® N4200E (UTC-320G) and Intel® Core™ i5-8365UE (UTC-320H)
- 21.5" 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-320 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.

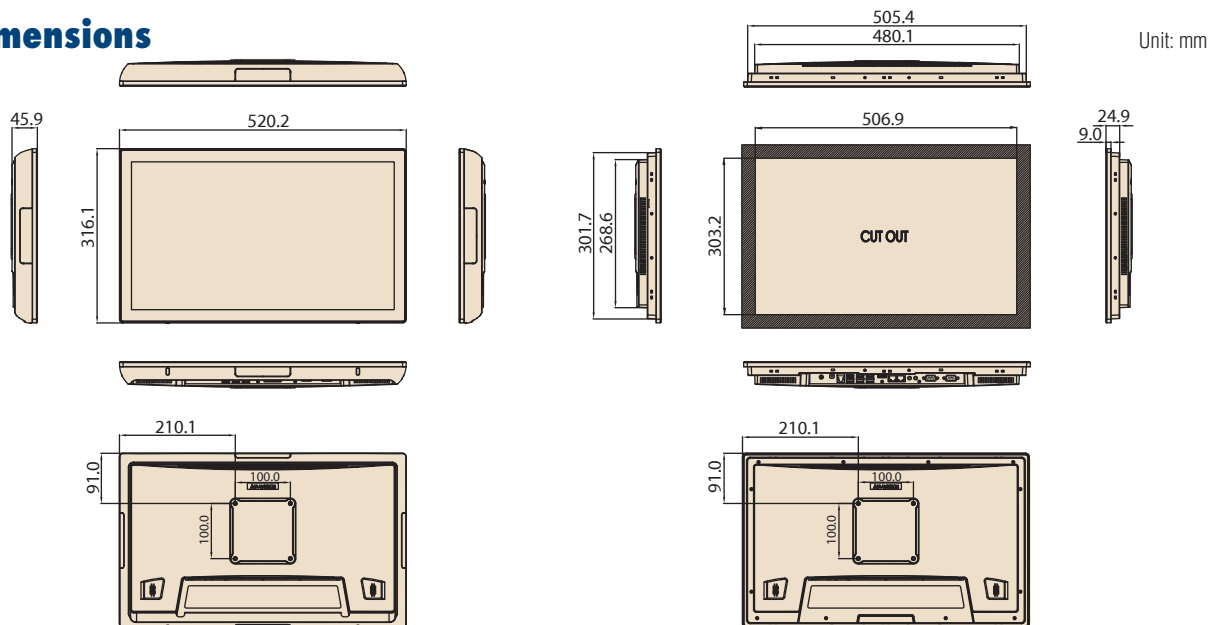
## Specifications

Model	UTC-320D	UTC-320E	UTC-320F	
Processor System	CPU	Intel® Celeron® J1900	Intel® Core™ i5-4300U	Intel® Core™ i5-6300U (Default) Intel® Core™ i3-6100U (Available)
	Basic Frequency	2.0 GHz (Quad-Core)	1.9GHz (Duo Core)	2.4GHz (Duo Core)
	Cache	L2 Cache MB	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 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 100 x 100; Screw Size: M4, 10mm		
Dimension (W x H x D)	520.2 x 316.1 x 45.9 mm			
Weight	6.5 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: 45W Max: 80W		
LCD Display	Size	21.5" TFT LCD		
	Max Resolution	1920 x 1080		
	Max Color	16.7M		
	Pixel Pitch (um)	248.25 (H) x 248.25 (V)		
	Brightness (cd/m <sup>2</sup> )	250 (Typical)		
	View Angle	178°/178°		
Touch Screen	Type	Analog Resistive 5-wires (Res. Flat Glass) / Projected Capacitive Touch Panel (Pcap. Flat Glass) / Glass Panel		
	Light Transmission	90% ± 2% / 80% ± 5% / 90%		
	Controller	COM interface / USB interface		

## Specifications

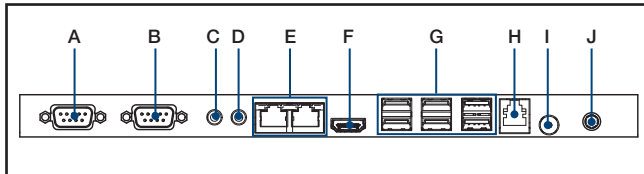
Model	UTC-320G	UTC-320H		
Processor System	CPU	Intel® Pentium® N4200E (Default) Intel® Celeron® N3350 (Available)	Intel® Core™ i5-8365UE (Default) Intel® Core™ i3-8145UE (Available)	
	Basic Frequency	1.10 GHz (Quad-Core)	1.6GHZ(Quad-Core)	
	Cache	L2 Cache 2MB	L3 Cache 3MB	
	Memory	1 x 204pin SO-DIMM 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 RS232 / 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 2230/mSATA	M.2 2280 (NVMe) or M.2 2242 / M.2 2230
	Mounting	VESA 100 x 100; Screw Size: M4, 10mm		
	Dimension (W x H x D)	520.2 x 316.1 x 45.9 mm		
	Weight	6.5 Kg		
	OS support	Win 10 IoT Enterprise 64bit Android 10.0 Linux Ubuntu 18.04	Win 10 IoT Enterprise 64bit Linux Ubuntu 18.04	
	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: 45W Max: 80W		
LCD Display	Size	21.5" TFT LCD		
	Max Resolution	1920 x 1080		
	Max Color	16.7M		
	Pixel Pitch (um)	248.25 (H) x 248.25 (V)		
	Brightness (cd/m²)	250 (Typical)		
	View Angle	178°/178°		
Touch Screen	Type	Analog Resistive 5-wires (Res. Flat Glass) / Projected Capacitive Touch Panel (Pcap. Flat Glass) / Glass Panel		
	Light Transmission	90% ± 2% / 80% ± 5% / 90%		
	Controller	COM interface / USB interface		

## Dimensions



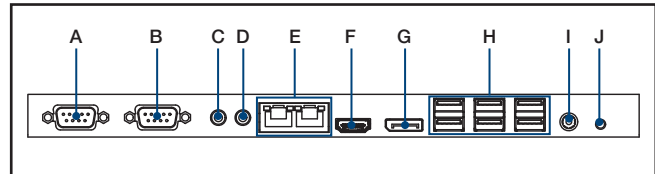
## Fully- Integrated I/O

### UTC-320D/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)
- H. RJ-11
- I. Power button
- J. DC input 12V (UTC-315D/UTC-315G)  
12-30V (UTC-315E/UTC-315F)

### UTC-320H



- 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-320DR-ATW0E	UTC-320DR-USW0E	21.5" White, Intel® Celeron® J1900, Res T/S, 4 GB RAM, IT Adapter
UTC-320DR-ATB0E	UTC-320DR-USB0E	21.5" Black, Intel® Celeron® J1900, Res T/S, 4 GB RAM, IT Adapter
UTC-320DP-ATW0E	UTC-320DP-USW0E	21.5" White, Intel® Celeron® J1900, PCap T/S, 4 GB RAM, IT Adapter
UTC-320DP-ATB0E	UTC-320DP-USB0E	21.5" Black, Intel® Celeron® J1900, PCap T/S, 4 GB RAM, IT Adapter
UTC-320ER-ATW0E	UTC-320ER-USW0E	21.5" White, Intel® Core™ i5-4300U, Res T/S 4GB RAM, IT Adapter
UTC-320ER-ATB0E	UTC-320ER-USB0E	21.5" Black, Intel® Core™ i5-4300U, Res T/S 4GB RAM, IT Adapter
UTC-320EP-ATW0E	UTC-320EP-USW0E	21.5" White, Intel® Core™ i5-4300U, PCap T/S 4GB RAM, IT Adapter
UTC-320EP-ATB0E	UTC-320EP-USB0E	21.5" Black, Intel® Core™ i5-4300U, PCap T/S 4GB RAM, IT Adapter
UTC-320FR-ATW0E	UTC-320FR-USW0E	21.5" White, Intel® Core™ i5-6300U, Res T/S 4GB RAM, IT Adapter
UTC-320FR-ATB0E	UTC-320FR-USB0E	21.5" Black, Intel® Core™ i5-6300U, Res T/S 4GB RAM, IT Adapter
UTC-320FP-ATW0E	UTC-320FP-USW0E	21.5" White, Intel® Core™ i5-6300U, PCap T/S 4GB RAM, IT Adapter
UTC-320FP-ATB0E	UTC-320FP-USB0E	21.5" Black, Intel® Core™ i5-6300U, PCap T/S 4GB RAM, IT Adapter
UTC-320GR-ATW0E	UTC-320GR-USW0E	21.5" White, Intel® Pentium® N4200E, Res T/S, 4 GB RAM, IT Adapter
UTC-320GR-ATB0E	UTC-320GR-USB0E	21.5" Black, Intel® Pentium® N4200E, Res T/S, 4 GB RAM, IT Adapter
UTC-320GP-ATW0E	UTC-320GP-USW0E	21.5" White, Intel® Pentium® N4200E, PCap T/S, 4 GB RAM, IT Adapter
UTC-320GP-ATB0E	UTC-320GP-USB0E	21.5" Black, Intel® Pentium® N4200E, PCap T/S, 4 GB RAM, IT Adapter
UTC-320HR-ATW0E	UTC-320HR-USW0E	21.5" White, Intel® Core™ i5-8365UE, Res T/S, 4 GB RAM, IT Adapter
UTC-320HR-ATB0E	UTC-320HR-USB0E	21.5" Black, Intel® Core™ i5-8365UE, Res T/S, 4 GB RAM, IT Adapter
UTC-320HP-ATW0E	UTC-320HP-USW0E	21.5" White, Intel® Core™ i5-8365UE, PCap T/S, 4 GB RAM, IT Adapter
UTC-320HP-ATB0E	UTC-320HP-USB0E	21.5" Black, Intel® Core™ i5-8365UE, PCap T/S, 4 GB RAM, IT Adapter

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

### UTC-320 WiFi Ordering Information

Part No.	US only P/N	Description
UTC-300P-W10E	UTC-300P-W10U	WiFi Kit for UTC-320D/E/F (MiniPCIe, WiFi only)
UTC-300P-W11E	UTC-300P-W11U	WiFi Kit for UTC-320D/E/F (MiniPCIe, WiFi and Bluetooth)
UTC-300P-W12E	UTC-300P-W12U	WiFi Kit for UTC-320G/H (M.2 2230, WiFi and Bluetooth)

### Installation Accessory

Part No.	US only P/N	Description
UTC-300P-D20E	UTC-300P-D20U	Desk Stand, Single Color-Silver (UTC-318/UTC-320 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-MOUNT4E	UTC-PANEL-MOUNT4U	Panel mount Kit(UTC-320Series)

### 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