

UTC-310

10.1" Ubiquitous Touch Computer UTC-310G with Intel® Celeron® N3350 / Pentium® N4200



Features

- Low power and fanless system design
- Built-in Intel® Celeron® N3350 / Pentium® N4200 (UTC-310G)
- 10.1" monitor with 16:10 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 plastic frame design for panel mount applications
- PoE supported on Celeron® N3350 / Pentium® N4200 platform



Introduction

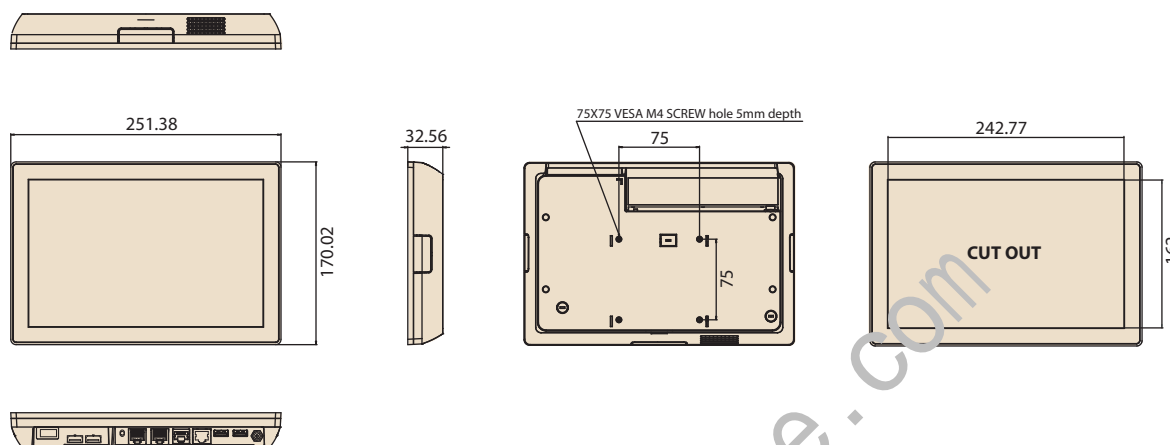
UTC-310 features an all-in-one computing system equipped with wide format, touch based LCD panel. It is easy to integrate key peripherals and display systems for diversified self-service and interactive signage deploy in different application areas. The systems deliver updated information with well-designed interactive interfaces, fully ensure relevant content and targeted promotions are delivered. 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® N3350 (UTC-310G) Intel® Pentium® N4200 (UTC-310G)	
	Base Frequency	1.10 GHz (Dual-Core) 1.10 GHz (Quad-Core)	
	Cache	L2 Cache 1MB L2 Cache 2MB	
	Memory	1 x 204 pin SO-Dimm DDR3L 1600 MHz up to 8 GB	
	Storage	1 x M.2 2242 SSD / 1 x 2.5" internal SATA storage bay (2.5" N/A with Internal PoE)	
	Network (LAN)	2 x Gigabit Ethernet ports (Supports Wake on LAN)	
	I/O ports	2 x RS-232 COM (COM2 RS-232/422/485)	
		2 x USB3.0 / 2 x USB3.0 (optional)	
		2 x Gigabit Ethernet ports (1 with optional PoE)	
	Stereo Speaker	1 x 2W	
	Bus expansion	1 x M.2 key2230, 1 x M.2 key2242	
	Mounting	VESA 75 x 75 mm (Screw Size, M4, 6mm)	
	Dimensions (W x H x D)	251 x 170 x 32.5 mm	
	Weight	1.12kg (2.46lbs)	
OS Support		Win 10 IoT Enterprise 64bit Android8.1/10.0 Linux	
Environmental Specifications	Operating Temperature	0 ~ 40 °C (32 ~ 104 °F)* 0 ~ 40 °C (32 ~ 104 °F)*	
	Relative Humidity	10 ~ 95% @ 40 °C non-condensing	
	Vibration	0.5G	
	Shock	10G peak acceleration (11 msec. duration)	
	Certification	CE, FCC, CB, UL, CCC, BSMI	
	Front Panel Protection	IP 65 Compliant	
Power Supply	DC Input Rating	12 V/3 A ~ 24 V/1.5 A, 36W ITE Adapter	
	PoE	IEEE 802.3at/30W (Optional, N/A with 2.5" storage)	
	Power consumption	Typical 25W Max. 34W	
LCD Display	Size/Type	10.1" TFT LCD with LED backlight	
	Max.Resolution	1280 x 800	
	Max. Color	16.7M	
	Pixel Pitch (um)	169.5 x 169.5	
	Brightness (cd/m²)	350	
Touch Screen Option (PE/GE)	View Angle	170°/ 170°	
	Type	Projected Capacitive. Glass panel (by required)	
	Light Transmission	80% ± 5% / 90%	
	Controller	USB Interface	

Dimensions

Unit: mm



Ordering Information

Fully- Integrated I/O

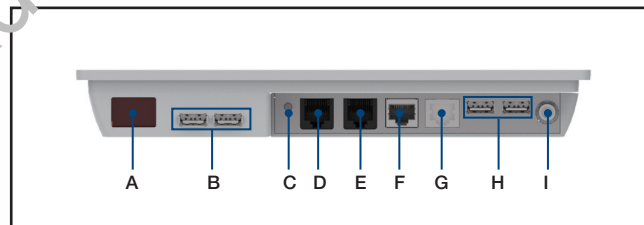
Part No.	Description
UTC-310GP-ATB0E	10.1" Pcap, N3350, 2G RAM, Black
UTC-310GP-ATB1E	10.1" Pcap, N4200, 2G RAM, Black
UTC-310GP-ATW0E	10.1" Pcap, N3350, 2G RAM, White
UTC-310GP-ATW1E	10.1" Pcap, N4200, 2G RAM, White
UTC-310GP-USB0E	10.1" Pcap, N3350, 2G RAM, Black (US Only P/N)
UTC-310GP-USB1E	10.1" Pcap, N4200, 2G RAM, Black (US Only P/N)
UTC-310GP-USW0E	10.1" Pcap, N3350, 2G RAM, White (US Only P/N)
UTC-310GP-USW1E	10.1" Pcap, N4200, 2G RAM, White (US Only P/N)
1700001524	Power Cord 3P UL 10A 125V 180cm
170203180A	Power Cord 3P UK 7.5A/3A 250V 1.83M
170203183C	Power Cord 3P Europe (MS-010+WS-083)183cm
1700019146	Power Cord 3P C 7.5A 250V 183cm
1700025928-02	COM Port Converter cable RJ48-10P10C to D-SUB 9P 35cm

* UTC-310 PN (UTC-310GP-ATXXX, UTC-310GP-USXXX) include the system and the 36W power adapter (96PSA-A36W12W7-5).

Peripherals for UTC-310 series

Tentative Part No.	Description
UTC-300P-C70E	5M Camera Module, White, for UTC-307/UTC-310 series
UTC-300P-C71E	5M Camera Module, Black, for UTC-307/UTC-310 series
UTC-300P-M70E	Magnet Strip Reader, White, for UTC-307/UTC-310 series
UTC-300P-M71E	Magnet Strip Reader, Black, for UTC-307/UTC-310 series
UTC-300P-R70E	RFID Reader, White, for UTC-307/UTC-310 series
UTC-300P-R71E	RFID Reader, Black, for UTC-307/UTC-310 series
UTC-300P-B72E	2D Barcode Reader for UTC-310(Internal)
UTC-300P-L70E	LED Light Bar, for UTC-307/UTC-310 series
UTC-300P-U72E	USB3.0 x 2, for UTC-310 (Internal)
UTC-300P-P72E	PoE Kit for UTC-310 (Only can coexist with M.2 SSD)
UTC-300P-W71E	M.2 wifi, 802.11 a/b/g/n/ac, 2T2R, BT4.2, A-E key, for UTC-310
UTC-300P-W71U	M.2 wifi, 802.11 a/b/g/n/ac, 2T2R, BT4.2, A-E key, for UTC-310 (US Only P/N)

* All peripherals must be ordered together with UTC-310, and assembled by Advantech only



- A. Barcode Reader (Optional)
- B. USB 3.0 x 2 (Optional)
- C. POWER BUTTON
- D. COM W/RS-232
- E. COM W/RS-232/422/485
- F. LAN Port
- G. LAN/PoE Port
- H. USB 3.0 x 2
- I. DC Power Jack

* UTC-310 PoE SKU – A PoE Powered Device (PD) is a device powered by a PSE and thus consumes energy.

Please do take a Power sourcing equipment (PSE) which follows IEEE 802.3at PoE standard, also known as PoE+ or PoE plus, provides up to 30W of DC power output. Only 25.5 W input is assured to be available at the powered device as some power dissipates in the cable.

The customer can change the configuration only when total power input is under 25.5 W.

Installation Accessory

Part No.	Description
UTC-WALL-MOUNT5E	UTC VESA mount (75x75)
UTC-PANEL-MOUNT3E	PANEL Mount Kit (UTC-310)
UTC-TABLE-STAND0E	Table Stand, White, For UTC-307/310
UTC-TABLE-STAND1E	Table Stand, Black, For UTC-307/310
ARES-2414X-S150201	Table Stand, Black, ≤17", max.13kg, 75x75mm