UTC-307

7" Ubiquitous Touch Computer UTC-307G with Intel® Celeron® N3350/ Pentium® N4200

Features

- Low power and fanless system design
- Built-in Intel® Celeron® N3350 / Pentium® N4200 (UTC-307G)
- 7" 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 plastic frame design for panel mount applications
- PoE supported on Celeron® N3350 / Pentium® N4200 platform

Windows® Embedded   CCC   UL   CE FCC   RoHS COMPLIANT 2002/95/EC
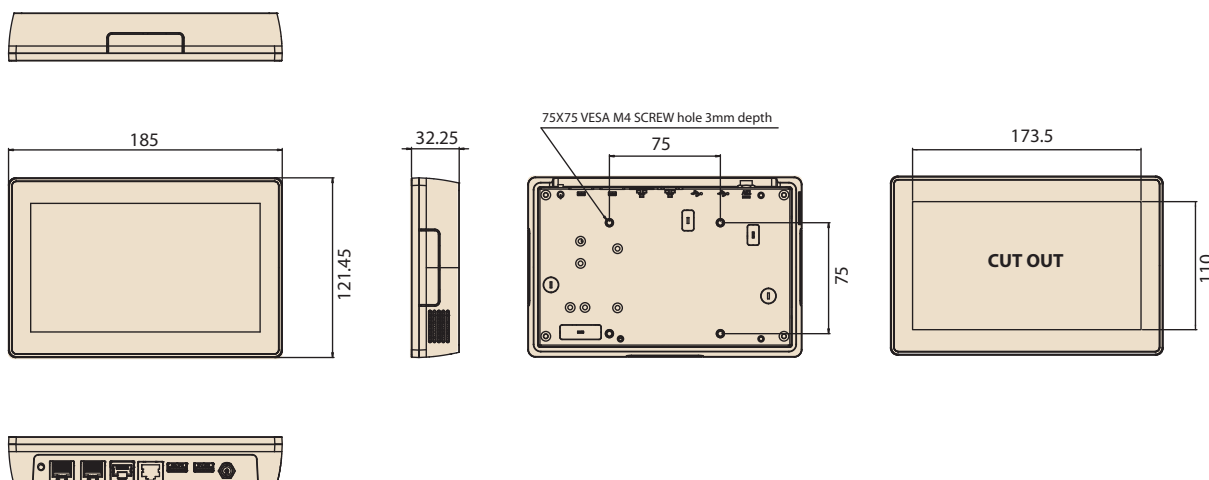
Introduction

UTC-307 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-307G)	Intel® Pentium® N4200 (UTC-307G)
	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	
	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, 4mm)	
	Dimensions (W x H x D)	185 x 121 x 32 mm	
	Weight	0.95kg (2.09lbs)	
OS Support		Win 10 IoT Enterprise 64bit Android6.0/8.1 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	Optional IEEE 802.3at/30W	
	Power consumption	Typical: 25W Max.: 34W	
LCD Display	Size/Type	7" TFT LCD with LED backlight	
	Max.Resolution	800 x 480	
	Max. Color	262K	
	Pixel Pitch (um)	192.6 x 179	
	Brightness (cd/m²)	450	
	View Angle	140°/ 160°	
Touch Screen Option (PE/GE)	Type	Projected Capacitive. Glass panel (by required)	
	Light Transmission	80% ± 5% / 90%	
	Controller	USB Interface	

ADVANTECH   **Interactive Self-service Terminals**

All product specifications are subject to change without notice, * identify as optional function

Last updated: 4-Oct-2021

Dimensions

Unit: mm

185

121.45

32.25

75X75 VESA M4 SCREW hole 3mm depth

75

75

173.5

CUT OUT

110

Ordering Information

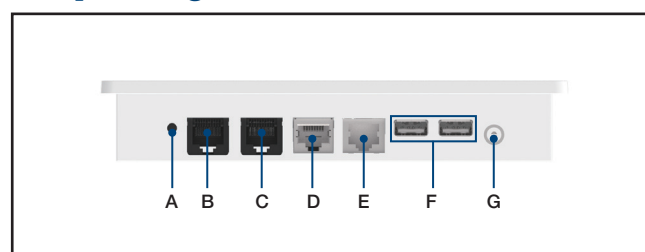| Part No.	Description
UTC-307GP-ATB0E	7" Pcap, N3350, 2G RAM, Black
UTC-307GP-ATB1E	7" Pcap, N4200, 2G RAM, Black
UTC-307GP-ATW0E	7" Pcap, N3350, 2G RAM, White
UTC-307GP-ATW1E	7" Pcap, N4200, 2G RAM, White
UTC-307GP-USB0E	7" Pcap, N3350, 2G RAM, Black (US Only P/N)
UTC-307GP-USB1E	7" Pcap, N4200, 2G RAM, Black (US Only P/N)
UTC-307GP-USW0E	7" Pcap, N3350, 2G RAM, White (US Only P/N)
UTC-307GP-USW1E	7" Pcap, N4200, 2G RAM, White (US Only P/N)
1700001524	Power Cord 3P UL 10A 125V 180cm
170203180A	Power Cord 3P UK 2.5A/3A 250V 1.83M
170203183C	Power Cord 3P Europe (WS-010+WS-083)183cm
1700019146	Power Cord CCC 3P 2.5A 250V 183cm
1700025928-02	COM Port Converter cable RJ48-10P10C to D-SUB 9P 35cm

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

Peripherals for UTC-307 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-B70E	2D Barcode Reader, White, for UTC-307
UTC-300P-B71E	2D Barcode Reader, Black, for UTC-307
UTC-300P-L70E	LED Light Bar, for UTC-307/UTC-310 series
UTC-300P-U70E	USB3.0x2, White, for UTC-307
UTC-300P-U71E	USB3.0x2, Black, for UTC-307
UTC-300P-P70E	PoE+kit, White, for UTC-307
UTC-300P-P71E	PoE+kit, Black, for UTC-307
UTC-300P-H70E	2.5 Storage kit, White, for UTC-307
UTC-300P-H71E	2.5 Storage kit, Black, for UTC-307
UTC-300P-W70E	M.2 wifi, 802.11 a/b/g/n/ac, 2T2R, BT4.2, A-E key, for UTC-307
UTC-300P-W70U	M.2 wifi, 802.11 a/b/g/n/ac, 2T2R, BT4.2, A-E key, for UTC-307 (US Only P/N)

* All peripherals must be ordered together with UTC-307, and assembled by Advantech only

Fully- Integrated I/O

A. POWER BUTTON
B. COM W/RS-232
C. COM W/RS-232/422/485
D. LAN Port

E. LAN/PoE Port
F. USB 3.0 x 2
G. DC Power Jack

* UTC-307 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
ASK-MNT-NMBLA10AC0	Wall Mount,75/100mm,max. support 20kg
ASK-MNT-NMBLA10A00	Wall Mount,75x75mm,max. support 20kg
UTC-PANEL-MOUNT2E	PANEL Mount Kit (UTC-307)