

# UTC-520

## 21.5" Ubiquitous Touch Computer UTC-520A with AMD® G-Series T40E UTC-520B with Intel Atom Dual Core D2550 UTC-520C with Intel Core™ i7



### Features

- Low Power and Fanless Design
- Built-in AMD® G-Series T40E (UTC-520A)
- Built-in Intel Atom Dual Core D2550 (UTC-520B)
- Built-in Intel Core™ i7 (UTC-520C)
- Providing Natural Viewing Experience with 16:9 21.5" Display
- Front panel complies with IP65 protection standard
- All in one aluminum extrusion design
- Landscape & Portrait screen mode support by different applications
- VESA 100 mm standard mounting holes for varied mounting demands
- Attachable design for panel & peripherals to extend function and applications



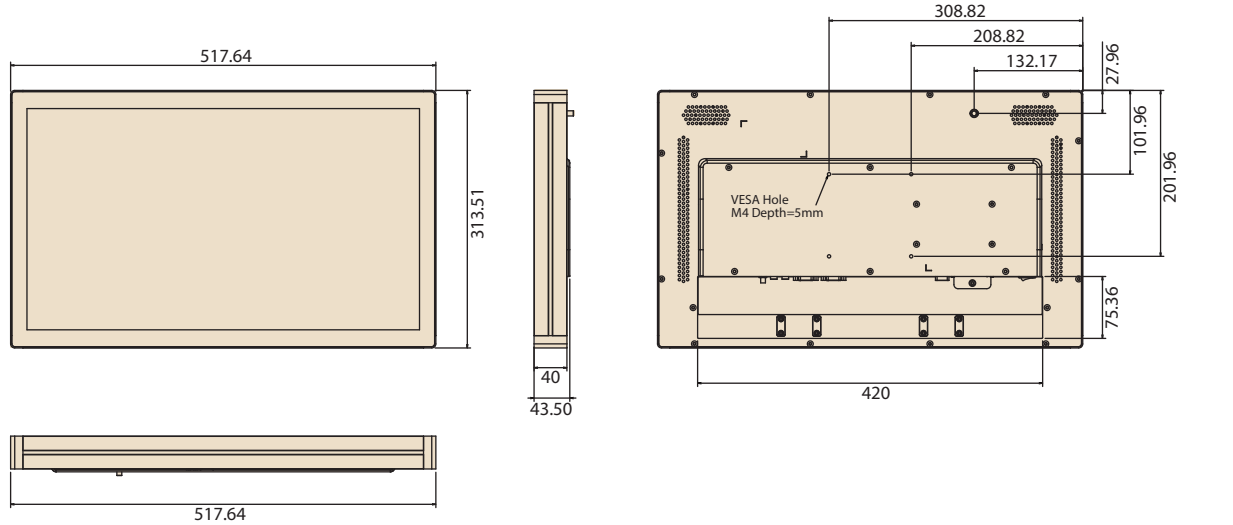
### Introduction

UTC-520 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	AMD® G-Series T40E Dual-core 1.0 GHz (UTC-520A)	Intel Atom Dual Core D2550 1.8 GHz (UTC-520B)	Intel Core™ i7 3517UE 1.7 GHz (UTC-520C)
	Chipset	T40E + A50M	Intel Atom D2550 + Intel NM10	Intel QM77
	L2 Cache	512 KB	1 MB	1 MB (L3, 4MB)
	Memory	1 x SO-DIMM DDR3 1066 MHz up to 4 GB	1 x SO-DIMM DDR3 1066 MHz up to 4 GB	1 x SO-DIMM DDR3/DDR3L 1333/1600 MHz up to 8 GB
	SSD	Support 1 x CFast	Support 1 x CFast	
	HDD	1 x 2.5 internal SATA HDD bay		
	Network (LAN)	2 x Gigabit Ethernet ports		
	I/O Ports	3 x RS-232 COM (RS-422/485)* 4 x USB 2.0 2 x Gigabit Ethernet (RJ-45) 1 x VGA & HDMI Audio Line-out x 1, Mic-in x 1	3 x RS-232 COM (RS-422/485)* 4 x USB 2.0 2 x Gigabit Ethernet (RJ-45) 1 x VGA & HDMI Audio Line-out x 1, Mic-in x 1	2 x RS-232 COM (RS-422/485)* 2 x USB 2.0, 2 x USB 3.0 2 x Gigabit Ethernet (RJ-45) 1 x VGA & HDMI Audio Line-out x 1, Mic-in x 1
	Stereo Speaker	3 W x 2		
	Bus expansion	Full-size MiniPCIe/mSATA		
Dimensions (W x H x D)	517.64 x 313.51 x 43.50 (mm) (20.38" x 12.34" x 1.71")			
Weight	8 kg (17.6 lb)			
OS Support		Windows XP/ XPE/ Embedded Windows 7/Embedded Windows 8	Embedded Windows 7 32bit	Embedded Windows 7 /Embedded Windows 8/ Window 10 IoT Enterprise
Environmental Specifications	Operating Temperature	0 ~ 40° C (32 ~ 104° F)		
	Relative Humidity	10 ~ 95% @ 40° C non-condensing		
	Vibration	0.5G		
	Shock	5G peak acceleration (11 msec. duration)		
	Certification	CE, FCC, UL, CB, CCC, BSMI		
	Front Panel Protection	IP65/ NEMA4 Compliant		
Power	Input Rating	12 V/5 A (60 W ITE Adapter)		12 V/7 A (84 W ITE Adapter)
	Power consumption	Typical 32W Max. 40W		Typical 45W Max. 65W
LCD Display	Size/Type	21.5" TFT LCD with LED backlight		
	Max.Resolution	1920 x 1080		
	Max. Color	16.7 M		
	Pixel Pitch (mm)	248.25 (H) x 248.25 (V)		
	Brightness (cd/m²)	250 (Optional 400)		
View Angle	178°/178°			
Touch Screen Option (PE/RE/GE)	Type	Projected Capacitive. Analog Resistive 5-wires / Glass Panel		
	Light Transmission	90% ± 2% / 80%± 5% / 90%		
	Controller	USB Interface / USB Interface / -		

## Dimensions



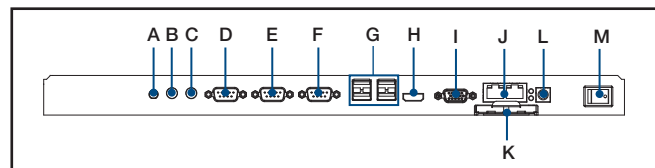
## Ordering Information

Part No.	Description
UTC-520A-RE	21.5" AMD T40E Based fanless UTC with Resi.T/S. 4 GB RAM
UTC-520A-PE	21.5" AMD T40E Based fanless UTC with PCT.T/S. 4 GB RAM
UTC-520A-GE	21.5" AMD T40E Based fanless UTC with Glass. 4 GB RAM
UTC-520B-RE	21.5" ATOM D2550 Based fanless UTC with Resi.T/S. 4 GB RAM
UTC-520B-PE	21.5" ATOM D2550 Based fanless UTC with PCT.T/S. 4 GB RAM
UTC-520B-GE	21.5" ATOM D2550 Based fanless UTC with Glass. 4 GB RAM
UTC-520C-RE	21.5" Intel Core i7 Based fanless UTC with Resi.T/S. 4 GB RAM
UTC-520C-PE	21.5" Intel Core i7 Based fanless UTC with PCT.T/S. 4 GB RAM
UTC-520C-GE	21.5" Intel Core i7 Based fanless UTC with Glass. 4 GB RAM
1702002605	Power cord 2P FRANCE 10A/16A 220V 1.83M 90D
1702002600	Power Cord 3P UL/CSA(USA) 125V 10A 1.83M 180D
1700000596	Power Cord (China) CCC,10A 250V, 3P 1830mm
1700018704	Power Cord UK BSI 2P 10A 250V 180cm 18AWG
1960069544N001	IO Cover for UTC-520 series

Side groove design for Flexible peripheral device



## Fully- Integrated I/O



- A. Antenna Port
- B. Line-out
- C. Mic-in
- D. COM3 (UTC-520A/B only)
- E. COM2
- F. COM1
- G. USB 2.0 x 4  
(USB 2.0 x 2, USB 3.0 x 2 for UTC-520C)
- H. HDMI
- I. VGA
- J. LAN Ports x 2
- K. CFast (UTC-520A/B only)
- L. DC Input
- M. Power switch

## Peripherals for UTC-500 series

Part No.	Description
UTC-P01-A1E	5M Camera Module For UTC-5XX (USB connection)
UTC-P02-A0E	Magnet Strip Reader For UTC-5XX (USB connection)
UTC-P03-A0E	RFID Reader For UTC-5XX (USB connection)
UTC-P06-A0E	Smart Card Reader For UTC-5XX (USB connection)
UTC-P07-A1E	1D/2D Barcode Reader For UTC-5XX (USB Connection)
UTC-P21-A0E	4 in 1 Modules Barcode reader + RFID + Card reader + MSR

## Installation Accessory

Part No.	Description
UTK-500F-A0E	Floor stand with SNBC BTP-U81 thermal printer (for China only)
UTK-500S-A0E	Floor stand without thermal printer
UTK-500G-A0E	Floor stand with thermal printer bracket
UTC-520-STAND1E	Desktop stand for UTC-515/520
UTC-H01-STANDE	H-shaped floor stand
UTC-T01-STANDE	Triangle shape floor stand
UTC-WALL-MOUNT1E	Wall Mount kit for UTC-515/520
UTC-WALL-MOUNT3E	Wall Mount kit for UTC-515/520

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Advantech:](#)

[UTC-520C-PE](#) [UTC-520C-RE](#) [UTC-520A-RE](#) [UTC-520A-PE](#) [UTC-520C-GE](#) [UTC-520B-RE](#) [UTC-520B-PE](#) [UTC-520B-GE](#) [UTC-520A-GE](#)