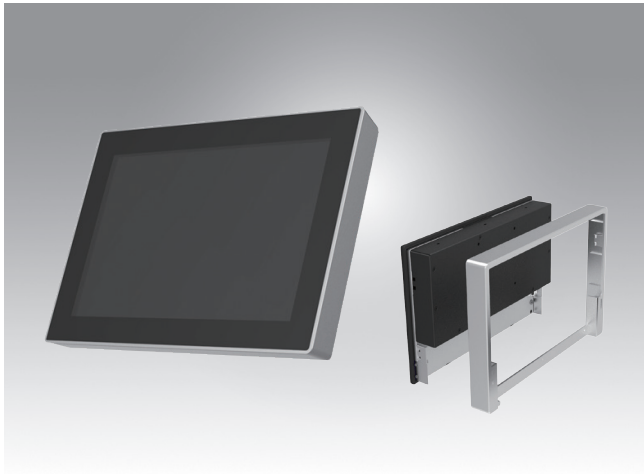


# UTC-510

## 10.1" Ubiquitous Touch Computer UTC-510D with Intel® Bay Trail E3825 / J1900



### Features

- Low Power & Fanless design
- Built-in Intel® Bay Trail E3825 / J1900 (UTC-510D)
- Providing Natural Viewing Experience with 16:10 10.1" Display
- Landscape & Portrait screen mode support by different applications
- VESA 75 mm standard mounting holes for varied mounting demands
- Detachable plastic frame design for panel mount applications



### Introduction

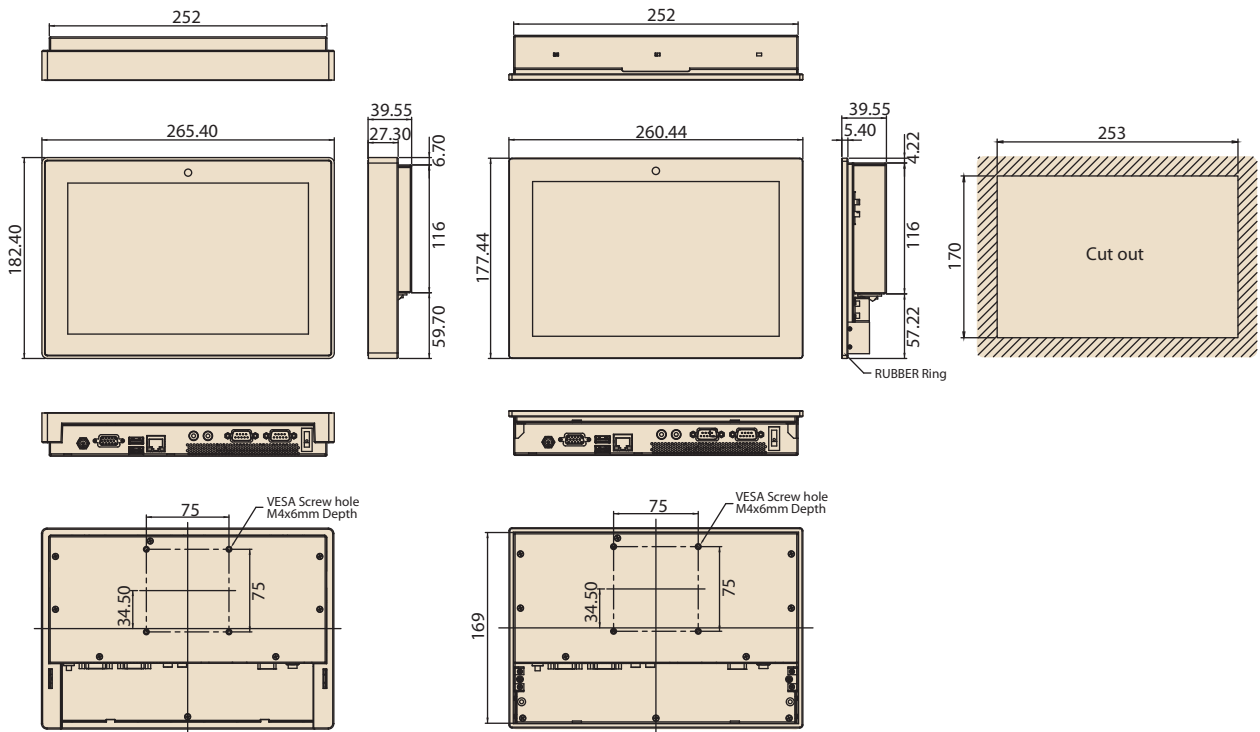
UTC-510 features an all-in-one computing system equipped with wide format, touch based LCD panel. It is easy to integrate key peripherals and display systems for diversified self-service and interactive signage deploy in different application areas. The systems deliver updated information with well-designed 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® Atom E3825 (UTC-510D)	Intel® Celeron J1900 (UTC-510D)
	Base Frequency	1.33 GHz (Dual-Core)	2 GHz (Quad-Core)
	Cache	L2 Cache 1MB	L2 Cache 2MB
	Memory	1 x SO-DIMM DDR3L 1066 MHz up to 8 GB	1 x SO-DIMM DDR3L 1333 MHz up to 8 GB
	HDD	1 x 2.5 internal SATA HDD bay	
	Network (LAN)	1 x Gigabit Ethernet ports (Supports Wake on LAN)	
	I/O ports	2 x RS-232 COM (COM1 RS-422/485 supported)*	
		1 x USB 2.0 / 1 x USB 3.0 / 2 x USB 2.0 (optional)*	
		1 x Gigabit Ethernet (RJ-45)	
		1 x VGA	
	Stereo Speaker	Audio Line-out x 1, Mic-in x 1	
		2 W x 1	
Bus expansion	1 Half size MiniPCIe		
	1 Half size mSATA		
Mounting	VESA 75 x 75 mm		
Dimensions (W x H x D)	265.40 x 182.40 x 39.55 mm		
Weight	1.80 kg (3.97 lbs)		
OS Support	Windows Embedded 7, Windows Embedded 8, Window 10 IoT Enterprise, Linux Ubuntu 14.04, Android 4.4.2		
Front Panel Protection	IP 65 Compliant		
Environmental Specifications	Operating Temperature	0 ~ 40° C (32 ~ 104° F)	0 ~ 35° C (32 ~ 95° F)
	Relative Humidity	10 ~ 95% @ 40° C non-condensing	
	Vibration	1Grms	
	Shock	5G peak acceleration (11 msec. duration)	
	Certification	CE, FCC, CB, UL, CCC, BSMI	
Power Supply	Input Rating	12 V/3 A (36W ITE Adapter)	
	Power consumption	Typical 10W Max. 20W	
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/m <sup>2</sup> )	350	
	View Angle	170 / 170	
Camera	5 Mega Pixel (Optional)		
Touch Screen Option (PE/GE)	Type	Projected Capacitive. Glass Panel	
	Light Transmission	80% ± 5% / 90%	
	Controller	USB Interface / -	

**Dimensions**

Unit: mm



**Ordering Information**

Part No.	Description
UTC-510DP-ATB0E	10.1" Intel Atom E3825 Based fanless UTC with PCT.T/S 2GB RAM
UTC-510DG-ATB0E	10.1" Intel Atom E3825 Based fanless UTC with Glass 2GB RAM
UTC-510DP-ATB1E	10.1" Intel Celeron J1900 Based fanless UTC with PCT.T/S 2GB RAM
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
1700021374-01	Power Cord 3P CCC 2.5A 250V 250cm (IEC60320-C5)
1960073820N001	IO Cover UTC-510
1931031500	Screws for IO Cover UTC-510(*2)

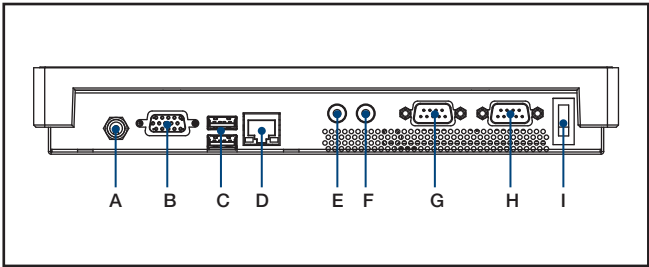
**Peripherals for UTC-510 series**

Part No.	Description
UTC-510P-R01E	RFID Reader For UTC-510 (USB connection)
UTC-510P-B01E	1D Barcode Scanner for UTC-510 (USB connection)
UTC-510P-B02E	2D Barcode Scanner for UTC-510 (USB connection)
UTC-510P-M01E	Magnet Strip Reader For UTC-510 (USB connection)

**Installation Accessory**

Part No.	Description
UTC-WALL-MOUNT1E	Wall Mount kit for UTC-520/515/510
UTC-WALL-MOUNT4E	UTC-510 VESA mount (75 x 75)
UTC-S03-STANDE	UTC 75*75 mm Desktop Stand
UTC-510-STANDOE	UTC-510 desktop stand
1960074091N000	UTC-510 Panel Mount Clamper (*4)
1930005598	UTC-510 Panel Mount Screw (*4)

**Fully- Integrated I/O**



- A. DC Power jack
- B. VGA
- C. USB 3.0 x 1, USB 2.0 x 1
- D. LAN Ports
- E. MIC-in
- F. Line-out
- G. COM 2
- H. COM 1
- I. Power switch