

# UTC-542

**42.6" Ubiquitous Touch Computer**  
**UTC-542D with Intel® Baytrail J1900\***  
**UTC-542F with Intel® Skylake i5 6300U**



## Features

- Low Power, High Performance, Aluminum Fanless Design
- Built-in Intel® Baytrail J1900 (UTC-542D)
- Built-in Intel® Skylake i5 6300U (UTC-542F)
- Provide natural viewing experience with 42.6" 16:9 display
- Front panel complies with IP65 protection standard
- Landscape & Portrait screen mode support by different applications
- Attachable integrated peripherals to extend functions and applications
- Dual hot-swappable HDD/SSD slots with RAID 0/1 support
- Optional mirror coating to support smart mirror applications



## Introduction

UTC-542 features an extra slim border all-in-one computing system equipped with wide format, touch based and mirror coating LCD panel. It is easy to integrate key peripherals 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.

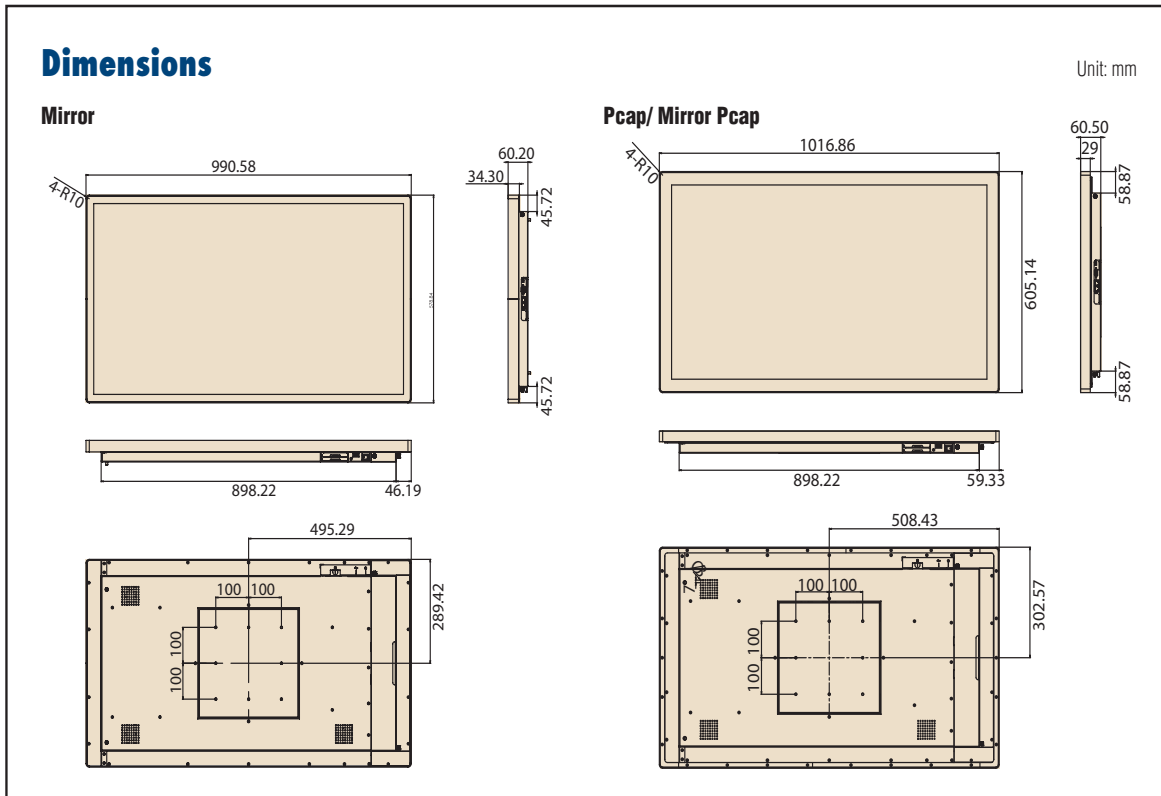
## Specifications

Processor System	CPU	Intel® Celeron® J1900 (UTC-542D)	Intel® Core™ i7-6600U (Available)* Intel® Core™ i5-6300U (UTC-542F) Intel® Core™ i3-6100U (Available)*
	Base Frequency	2 GHz (Quad-Core)	2.4 GHz (Dual-Core)
	Cache	2 MB	3 MB
	Memory	1 x SO-DIMM DDR3L 1333 MHz up to 8 GB	2 x SO-DIMM DDR3L 1600MHz up to 16G
	HDD/SSD	Dual hot-swappable HDD/SSD slots with RAID 0,1 support	
	Network (LAN)	2 x Gigabit Ethernet ports	
	I/O Ports	2 x RS-232 COM (RS-422/485)* 3 x USB 2.0 / 1 x USB 3.0 2 x Gigabit Ethernet (RJ-45) 1 x VGA 1 x HDMI	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 1 x HDMI
	Stereo Speaker	10 W x 2	
	Bus expansion	Full-size MiniPCIe/mSATA	
	Dimensions (W x H x D)	990.6 x 578.8 x 60.2mm (Mirror Glass) 1016.9 x 605.2 x 60.5mm (Pcap / Mirror Pcap*)	
Weight	24.6 kg		
OS Support	Windows Embedded 7, Windows Embedded 8, Window 10 IoT Enterprise, Linux Ubuntu 14.04, Android 4.4.2**		
Environmental Specifications	Operating Temperature	0 ~ 40° C (32 ~ 104° F)	
	Relative Humidity	10 ~ 95% @ 40° C non-condensing	
	Vibration	0.5G	
	Shock	5 G peak acceleration (11 msec. duration)	
Power	Front Panel Protection	IP65/NEMA4 Compliant	
	Input Rating	100-240V <sub>AC</sub> ~ 50/60Hz 3.7A	
LCD Display	Size/Type	42.6" TFT LCD with LED backlight	
	Max.Resolution	1920 x 1080	
	Pixel Pitch (mm)	0.49 (H) x 0.49 (W)	
	Brightness (cd/m <sup>2</sup> )	450 nits	
	View Angle	Horizontal: ±89° or 178° total / Vertical: ±89° or 178° total	
Touch Screen Option (PE/GE)	Type	Projected Capacitive Touch Panel / Mirror Glass Panel (No touch function) / Mirror Projected Capacitive Touch Panel*	
	Light Transmission	>90% (Pure Glass); >25% (Mirror Coating)	
	Controller	USB Interface	

\* Mirror Pcap by project request.

\*\* Only UTC-542D to support Android OS.

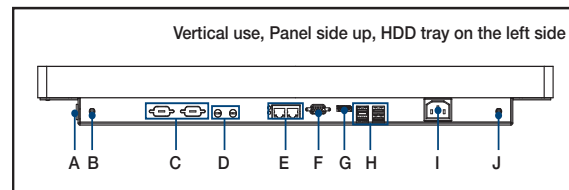
**UTC-542D**  
**UTC-542F**



### Ordering Information

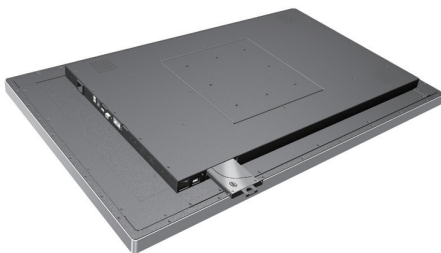
Part No.	Description
UTC-542DM-ATB0E	42.6", Intel Baytrail J1900, Mirror Glass, 4GB RAM
UTC-542FM-ATB0E	42.6", Intel Skylake Corei5-6300U, Mirror Glass, 4GB RAM
UTC-542DP-ATB0E	42.6", Intel Baytrail J1900, Pcap Touch, 4GB RAM
UTC-542FP-ATB0E	42.6", Intel Skylake Corei5-6300U, Pcap Touch, 4GB RAM
1702002605	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

### Fully- Integrated I/O



- A. Power Switch
- B. Antenna Port
- C. COM x 2
- D. Mic-in/ Line-out
- E. LAN x 2
- F. VGA
- G. HDMI
- H. USB 3.0 x 1, USB 2.0 x 3 (Baytrail)  
USB 3.0 x 2, USB 2.0 x 2 (Skylake)
- I. AC Power
- J. Antenna Port

### Easy Swappable HDD/SDD Slot



### Peripherals for UTC-542 series

Part No.	Description
UTC-542P-R01E	RFID Reader For UTC-542 (USB connection)
UTC-542P-B01E	1D Barcode Scanner for UTC-542 (USB connection)
UTC-542P-B02E	2D Barcode Scanner for UTC-542 (USB connection)
UTC-542P-M01E	Magnet Strip Reader For UTC-542 (USB connection)

### Installation Accessory

Part No.	Description
UTC-WALL-MOUNT2E	VESA Mount 200 x 200 mm

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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