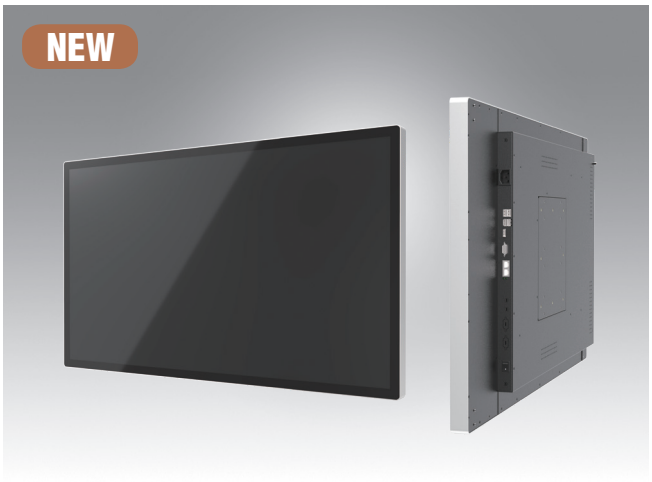
UTC-542

42.5" Ubiquitous Touch Computer
UTC-542D with Intel® Celeron® J1900
UTC-542F with Intel® Core™ i5-6300U
UTC-542G with Intel® Pentium® N4200



Features

- Low Power, High Performance and fanless system design
- Built-in Intel® Celeron® J1900 (UTC-542D)
- Built-in Intel® Core™ i5-6300U (UTC-542F)
- Built-in Intel® Pentium® N4200 (UTC-542G)
- 42.5" monitor with 16:9 widescreen display
- IP65-rated front panel for water and dust resistance
- Supports both landscape and portrait screen orientations
- Side groove design for flexible peripheral installation
- 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)*	Intel® Pentium® N4200 (UTC-542G) Intel® Atom® E3950 (Available)*
	Base Frequency	2 GHz (Quad-Core)	2.4 GHz (Dual-Core)	1.1 GHz (N4200/Quad-Core) 1.6 GHz (E3950/Quad-Core)
	Cache	2 MB	3 MB	L2 Cache 2MB
	Memory	1 x 204 pin SO-DIMM DDR3L 1333 MHz up to 8 GB	2 x 204 pin SO-DIMM DDR3L 1600Mhz up to 16G	1 x 204 pin SO-DIMM DDR3L 1867 MHz up to 8GB
	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)* 4 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)* 3 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		Full-size MiniPCIe / M.2
	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		WES 7P 32bit WES 7E 32bit Windows Pro Embedded 7 SP1 64bit WES 8 64bit Windows Embedded 8.1 Industry Pro 64bit Win 10 IoT Enterprise Linux Ubuntu 16.04 Android 4.4.2	WES 7P 32bit WES 7E 32bit Windows Pro Embedded 7 SP1 64bit WES 8 64bit Windows Embedded 8.1 Industry Pro 64bit Win 10 IoT Enterprise Linux Ubuntu 16.04	Win 10 IoT Enterprise Android 6.0 Linux Ubuntu 17.04
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)		
	Front Panel Protection	IP65/ NEMA4 Compliant		
Power	Input Rating	100-240V_{AC} ~ 50/60Hz 3.7A		
LCD Display	Size/Type	42.5" TFT LCD with LED backlight		
	Max.Resolution	1920 x 1080		
	Pixel Pitch (mm)	0.49 (H) x 0.49 (W)		
	Brightness (cd/m²)	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		

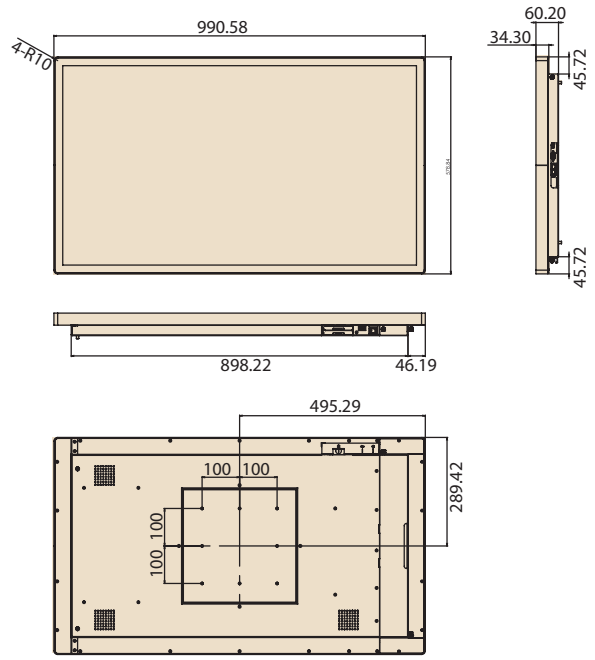
* Mirror PCap by project request.
** Only UTC-542D and UTC-542G models support Android OS.

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

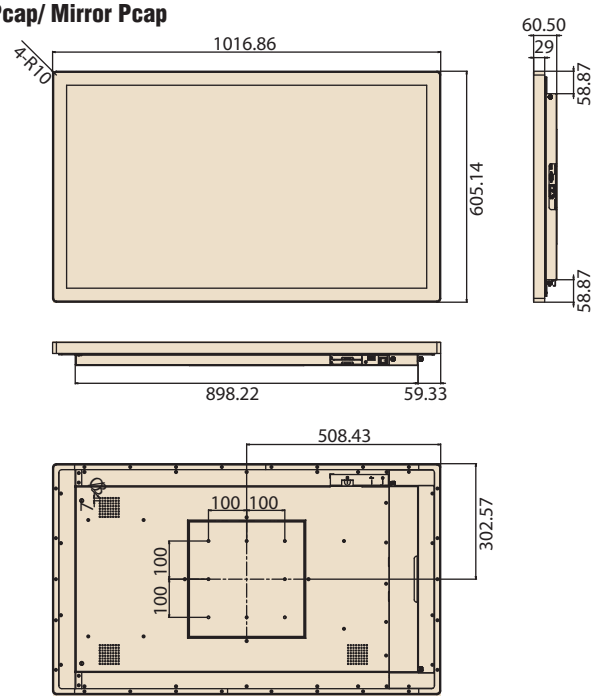
Dimensions

Unit: mm

Mirror



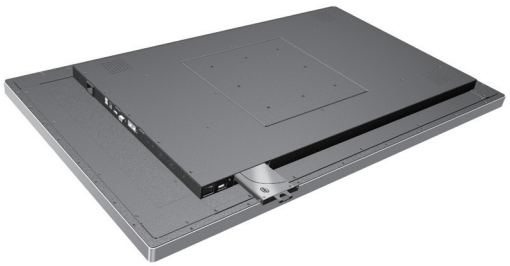
Pcap/ Mirror Pcap



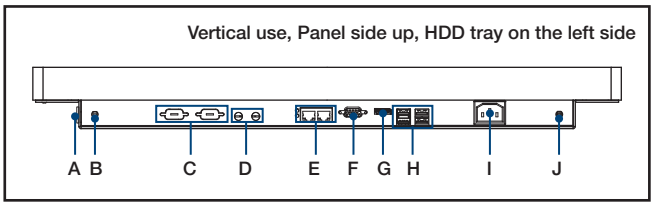
Ordering Information

Part No.	Description
UTC-542GP-ATB0E	42.5", Intel® Pentium® N4200, Pcap Touch, 4GB RAM
UTC-542GM-ATB0E	42.5", Intel® Pentium® N4200, Mirror Glass, 4GB RAM
UTC-542DM-ATB0E	42.5", Intel® Celeron® J1900, Mirror Glass, 4GB RAM
UTC-542FM-ATB0E	42.5", Intel® Core™ i5-6300U, Mirror Glass, 4GB RAM
UTC-542DP-ATB0E	42.5", Intel® Celeron® J1900, Pcap Touch, 4GB RAM
UTC-542FP-ATB0E	42.5", Intel® Core™ i5-6300U, 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

Easy Swappable HDD/SDD Slot



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

Peripherals for UTC-542 series

Part No.	Description
UTC-542P-B02E	2D Barcode Scanner for UTC-542 (USB connection)
UTC-542P-C01E	5M Camera Module For UTC-542 (USB connection)
UTC-542P-F01E	Finger Print Reader For UTC-542 (USB connection)
UTC-542P-M01E	Magnet Strip Reader For UTC-542 (USB connection)
UTC-542P-R01E	RFID Reader For UTC-542 (USB connection)
UTC-542P-S01E	Smart Card Reader For UTC-542 (USB connection)

Installation Accessory

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