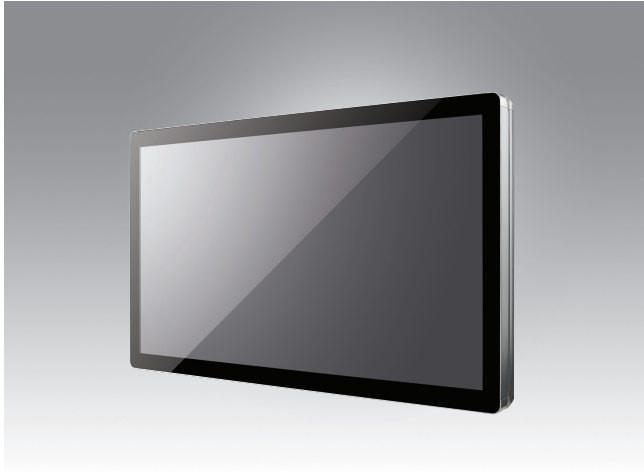


UTC-542

42.5" Ubiquitous Touch Computer 542J with Intel® Celeron® J6412



Features

- High performance and fanless system design
- Built-in Intel® Celeron® J6412 (UTC-542J)
- 42.5" monitor with 16:9 widescreen display
- IP65-rated front panel for water and dust resistance
- Aluminum frame with side groove design for flexible peripheral installation
- Supports both landscape and portrait screen orientations
- VESA 200 mm standard mounting holes for varied mounting demands



Introduction

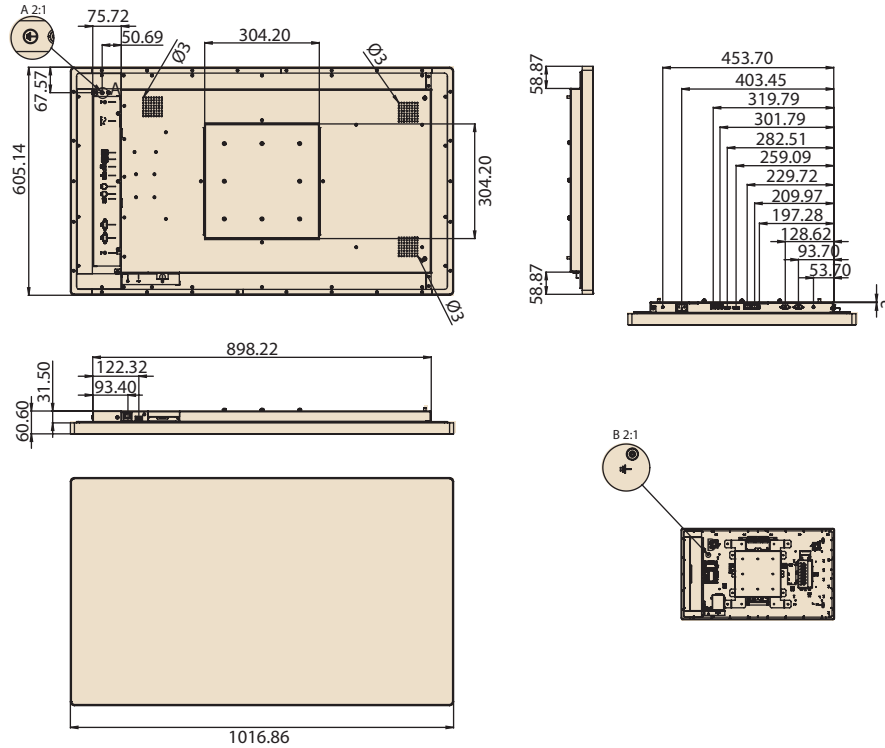
UTC-542 features an all-in-one computing system equipped with wide format, touch based LCD panel. It is easy to integrate key peripherals and display systems for diversified self-service and interactive signage deploy in different application areas. The systems deliver updated information with well-designed 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	Celeron® J6412 (Default)	
	Base Frequency	2.0GHz	
	Cache	1.5 MB L2 Cache	
	Memory	DDR4-3200 up to 32GB	
	HDD	1 x 2.5 internal SATA HDD bay	
	Network (LAN)	2 x RJ-45; LAN1: Realtek RTL8111H, LAN2: Realtek RTL8111H	
	I/O ports	4 x USB3.2 Gen2 (10Gbps) 2 x GbE, LAN1: Intel i219LM, LAN2: Intel i210AT/IT	
		1 x HDMI / 1 x DP 1 x Audio Line-out 1 x Mic-in 2 x RS-232 COM (RS-422/485)*	
		Stereo Speaker	10W x 2
	Bus expansion	1x E-Key for wireless module (Type: 2230) optional B-Key for LTE module 1x M-Key support SATA M.2 2242 module	
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 (54.23 lb)		
OS Support	Windows 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	5 G peak acceleration (11 msec. duration)	
	Certification	CE, FCC, UL, CB, CCC, BSMI	
Power Supply	Input Voltage	100-240V	
	Adapter	24V, 9.58A	
	Power consumption	Typical 95W Max. 105W	
LCD Display	Size/Type	42.5" TFT LCD with LED backlight	
	Max. Resolution	1920 x 1080	
	Max. Color	16.7 M	
	Pixel Pitch (mm)	0.49 (H) x 0.49 (W)	
	Brightness (cd/m ²)	450 nits	
View Angle	178°/178°		
Touch Screen (PE/GE)	Type	Projected Capacitive Touch Panel (Pcap. Flat Glass) / Glass Panel (No touch function)	
	Light Transmission	90% ± 2% / 90%	
	Controller	USB Interface / -	

Dimensions

Unit: mm



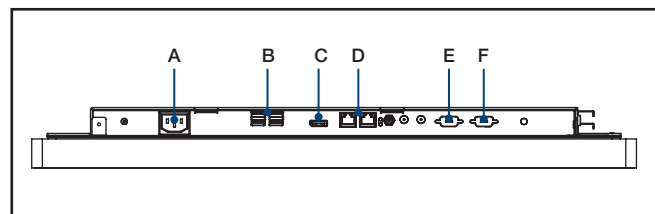
Ordering Information

Part No.	Description
UTC-542JP-ATB0E	42.5 Intel® Celeron® J6412 fanless UTC with PCT.T/S. 8GB 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

Installation Accessory for UTC-532

Part No.	Description
ARES-12290-L202000	Wall Mount kit for UTC-532
UTC-H01-STANDE	H-shaped floor stand

Fully- Integrated I/O



A. Power Inlet
 B. USB3.2 x 4
 C. HDMI

D. LAN x2
 E. COM1
 F. COM2

Specifications

DeviceOn/iService Remote Device Management	Operating System	Windows 10
	Common Controls (Reboot, Shutdown)	✓
	Remote desktop	✓ (VNC)
	Audio Controls	✓*
	Connection Status	✓
	Hardware Status	✓*
	Hard Disk Status	✓*
	Batch Operation Support	✓
	OTA Storage Management	FTP
	OTA Software Updates	✓
	Software Watchlist	✓
	Software Start/Stop	✓*

Note: DeviceOn/iService software must be downloaded from the Advantech website at <https://www.advantech.com/search/?q=DeviceOn%2FiService&st=support&sst=Utility>

DeviceOn/iService

Unified Remote Device Management Software



Features

- Supports Advantech devices equipped with Windows, Android, and Linux OS
- Flexible device, location, user, and permissions management
- Enables remote monitoring and control of hardware, software, and peripherals
- Supports over-the-air (OTA) firmware and software updates
- Ensures quick, easy, and secure device onboarding
- RESTful APIs for third-party system integration

Introduction

Advantech's DeviceOn/iService is a next-generation unified device management solution based on the WISE-DeviceOn platform. Designed to enable centralized monitoring and remote management, DeviceOn/iService supports Advantech devices equipped with Windows, Linux, or Android operating systems. The software also supports the management of applications and integrated peripherals, such as a barcode scanner, card reader, camera, and printer. Users can remotely access and control connected devices, take screenshots, rollout OTA upgrades, and use remote desktop capabilities for troubleshooting from any location at any time. Moreover, DeviceOn/iService supports batch operations to facilitate the management of multiple devices simultaneously for easy and convenient device configuration and deployment.

Total Management



Devices & Hardware

- Windows, Linux, Android
- Hardware, storage, battery



Software & Peripherals

- Software monitoring & access
- Screens, USB devices, printers



Open for Expansion

- Peripheral integration
- Open APIs for integration

Remote Access



Real-Time Monitoring

- Connection/hardware status
- Software/peripheral status
- Failure notifications



Remote Controls

- Power controls
- Audio, backlight controls
- Software controls



Troubleshooting

- Screenshots
- Remote desktop support

Operational Efficiency



OTA updates

- System/software updates
- File repository management
- App store



Batch Controls

- 1-to-many batch reboot, etc.
- Time-saving tasks



Setup Booster

- Software/peripheral watchlist
- Roles, rule templates

Note: Some functions may vary according to the product

System Architecture

