# UTC-542

## 42.5" Ubiquitous Touch Computer
### UTC-542I with 11th Gen Intel Core i7/i5/i3 Processor

## Features

- High performance and fanless system design
- Built-in Intel® Core™ i5-1145G7E (UTC-542I)
- 42.5" monitor with 16:9 widescreen display
- 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.

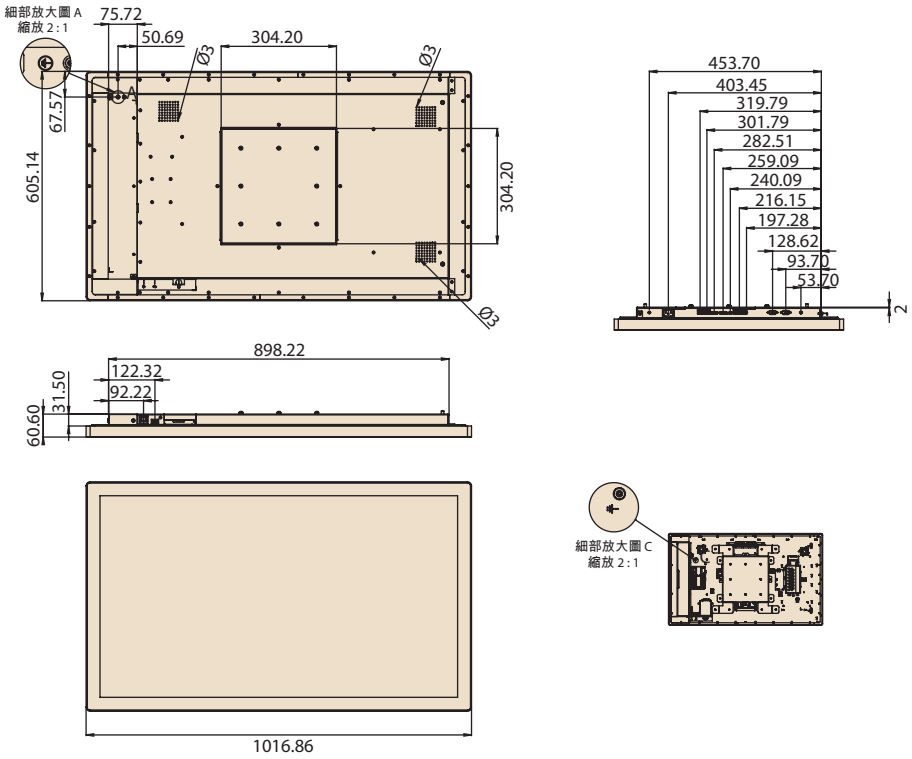
## Specifications

| | | |
|---|---|---|
| Processor System | CPU | i5-1145G7E (Default)<br>Intel® Core™ i3-1115G4E<br>Intel® Core™ i7-1185GRE |
| | Base Frequency | 1.50/ 2.6 GHz/ Quad Core |
| | Cache | L3 Cache 8MB |
| | Memory | 2 x 260 pin SO-DIMM DDR4-3200 up to 64GB |
| | HDD | 1 x 2.5 internal SATA HDD bay |
| | Network (LAN) | 2 x GbE, LAN1: Intel i219LM, LAN2: Intel i210AT/IT (supports Wake on LAN) |
| | I/O ports | 2 x GbE, LAN1: Intel i219LM, LAN2: Intel i210AT/IT<br>1 x HDMI / 1 x DP<br>1 x Audio Line-out<br>1 x Mic-in<br>4 x USB3.2 Gen. 2x1 10Gbps<br>1 x USB type-C, USB3.2 Gen. 2x2 20Gbps, support DP1.4a via Alt. Mode |
| | Stereo Speaker | 10W x 2 |
| | Bus expansion | 1 x M.2 E-Key 2230 (PCIe x 1, USB2.0, I2C)<br>1 x M.2 B-Key 3042 (USB2.0) w/ Nano-SIM<br>1 x M.2 M-Key 2280 (PCIe x4 Gen.4 for PCIe SSD), optional SATA |
| | Dimensions (W x H x D) | 1016.9 x 605.2 x 60.5mm (Pcap) |
| | Weight | 24.6 kg (54.23 lb) |
| OS Support | | Win 10 IoT Enterprise<br>Win 11 IoT Enterprise<br>Android 14<br>Ubuntu 22.04 |
| Environmental Specifications | Operating Temperature | 0 ~ 40° C (32 ~ 104° F) |
| | Relative Humidity | 95% @ 40° C non-condensing |
| | Vibration | 0.5G |
| | Shock | 5 G peak acceleration (11 msec. duration) |
| | Certification | CE, FCC, UL, CB, BSMI |
| Power Supply | Input Voltage | 100~240V |
| | Adapter | 24V, 9.59A (230W ITE adapter) |
| | Power consumption | Typical 95W<br>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 / - |


All product specifications are subject to change without notice.

## Dimensions

Unit: mm



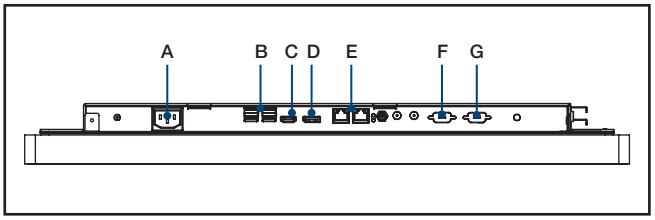

## Ordering Information

| Part No. | Description |
|---|---|
| UTC-542IP-ATB0E | 42.5 Intel® Core™ i5-1145G7E 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. USB Type C
D. HDMI
E. LAN x2
F. COM1
G. 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