UTC-532

Features

- High performance and fanless system design
- Built-in Intel® Core™ i5-6300U
- 31.5" 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
- Support Advantech WISE-PaaS/RMM

Windows Embedded · CCC · UL · CE · FCC · RoHS COMPLIANT 2002/95/EC
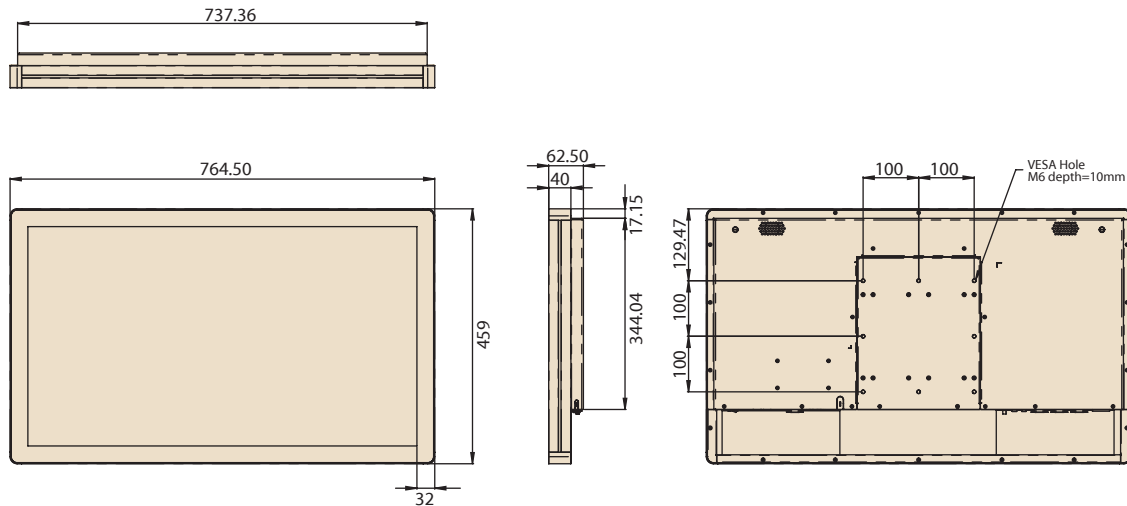
Introduction

UTC-532 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

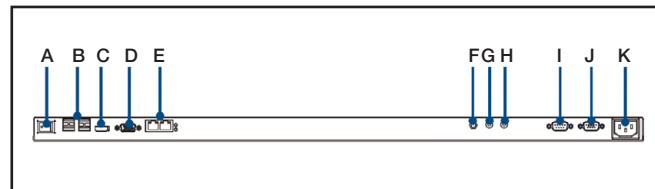|		
Processor System	CPU	Intel® Core™ i5-6300U (Default) Intel® Core™ i3-6100U Intel® Core™ i7-6600U
	Base Frequency	2.4GHz (Dual-Core)
	Cache	L3 Cache 3MB
	Memory	2 x 204 pin SO DIMM DDR3L 1600MHz up to 16 GB
	HDD	1 x 2.5 internal SATA HDD bay
	Network (LAN)	2 x Gigabit Ethernet ports (Supports Wake on LAN)
	I/O ports	2 x RS-232 COM (RS-422/485)* 2 x USB2.0/ 2 x USB3.0 2 x Gigabit Ethernet (RJ-45) 1 x VGA & 1 x HDMI Audio Line-out x 1, Mic-in x 1
	Stereo Speaker	3 W x 2
	Bus expansion	Full-size MiniPCle / mSATA
	Dimensions (W x H x D)	764.50 x 459 x 62.50 mm
	Weight	18 kg (39.6 lb)
OS Support		Windows Pro Embedded 7 SP1 64bit Win 10 IoT Enterprise Linux Ubuntu 16.04
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)
	Certification	CE, FCC, UL, CB, CCC, BSMI
	Front Panel Protection	IP65/ NEMA4 Compliant
Power	Input Rating	100-240V$_{AC}$ ~ 50/60Hz 2.5A
	Power consumption	Typical 95W Max. 105W
LCD Display	Size/Type	31.5" TFT LCD with LED backlight
	Max.Resolution	1920 x 1080
	Max. Color	16.7 M
	Pixel Pitch (mm)	0.36375 (H) x 0.36375 (W)
	Brightness (cd/m²)	300
	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 / -

ADVANTECH | **Interactive Self-service Terminals**

VICPAS HMI Parts Center

Dimensions

Unit: mm

737.36

764.50

62.50

40

17.15

344.04

459

32

129.47

100 100

100

100

100

VESA Hole
M6 depth=10mm

Ordering Information

Part No.	Description
UTC-532FP-ATB0E	31.5 Intel® Core™ i5-6300U fanless UTC with PCT.T/S. 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
1960060677N001	IO Cover for UTC-532 series

Fully- Integrated I/O

A B C D E   F G H   I J K

A. Power switch
B. USB 3.0 x 2, USB 2.0 x 2
C. HDMI
D. VGA
E. LAN Port x 2
F. Antenna Port
G. Line-out
H. Mic-in
I. COM2
J. COM1
K. AC Power

Side groove design for flexible peripheral installation

Peripherals for UTC-500 series

Part No.	Description
UTC-P01-A1E	5M Camera Module For UTC-5XX (USB connection)
UTC-P02-A0E	Magnet Strip Reader For UTC-5XX (USB connection)
UTC-P03-A0E	RFID Reader For UTC-5XX (USB connection)
UTC-P06-A0E	Smart Card Reader For UTC-5XX (USB connection)
UTC-P07-A4E	2D Barcode Module (Honeywell) for UTC-500 Series (USB connection)
UTC-P09-A0E	Fingerprint reader for UTC-5xx (USB connection)
UTC-P21-A3E	2D Barcode reader + RFID + SCR

Installation Accessory for UTC-532

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

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
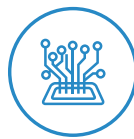
Open for Expansion
- Peripheral integration
- Open APIs for integration

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

Client Devices	DeviceOn Server	Browser
LAN	Internet	
Hardware · Software · Peripherals	Cloud · On-site installation	Monitor status · Controls
Free Installation Via the Advantech website	**Download Installer** Via the Advantech website	**Free Installation** Via browser

Required Hardware
- Windows10
- 8GB RAM
- Intel® Core™ i5 storage
- 125GB