

UTC-532

31.5" Ubiquitous Touch Computer UTC-532G with Intel® Pentium® N4200



Features

- High performance and fanless system design
- Built-in Intel® Pentium® N4200
- 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



Introduction

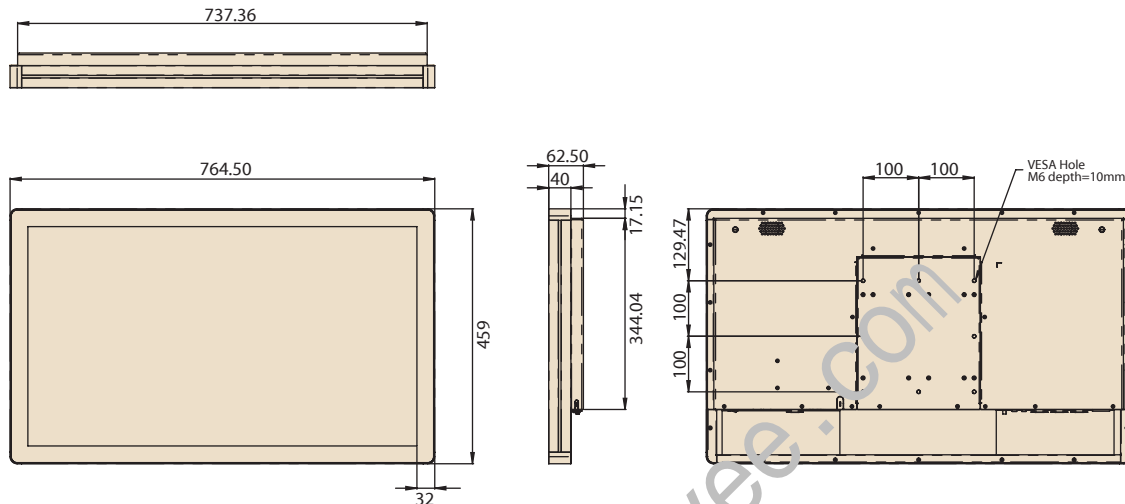
UTC-532 features an all-in-one computing system equipped with wide format, touch based LCD panel. It is easy to integrate key peripherals and display systems for diversified self-service and interactive signage deploy in different application areas. The systems deliver updated information with well-designed 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® Pentium® N4200 |
| | Base Frequency | 1.1 GHz (N4200/Quad Core) 1.6 GHz (E3950/Quad Core) |
| | Cache | L2 Cache 2 MB |
| | Memory | 1 x 204 pin SO-DIMM DDR3L 1867 MHz up to 8GB |
| | HDD | 1 x 2.5 inch 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 |
| OS Support | Bus expansion | Full-size MiniPCIe / M.2 |
| | Dimensions (W x H x D) | 764.50 x 459 x 62.50 mm |
| Environmental Specifications | Weight | 18 kg (39.6 lb) |
| | Operating Temperature | Win 10 IoT Enterprise |
| | | Android 6.0 |
| | | Linux Ubuntu 17.04 |
| | Relative Humidity | 0 ~ 40° C (32 ~ 104° F) |
| | Vibration | 10 ~ 95% @ 40° C non-condensing |
| | Shock | 0.5G |
| Power | Certification | 5 G peak acceleration (11 msec. duration) |
| | Front Panel Protection | CE, FCC, UL, CB, CCC, BSMI |
| | Input Rating | IP65/ NEMA4 Compliant |
| LCD Display | Power consumption | 100-240V _{AC} ~ 50/60Hz 2.5A |
| | Size/Type | Typical 95W Max. 105W |
| | Max. Resolution | 31.5" TFT LCD with LED backlight |
| | Max. Color | 1920 x 1080 |
| | Pixel Pitch (mm) | 16.7 M |
| | Brightness (cd/m ²) | 0.36375 (H) x 0.36375 (V) |
| Touch Screen (PE/GE) | View Angle | 300 |
| | Type | 178°/178° |
| | Light Transmission | Projected Capacitive Touch Panel (Pcap. Flat Glass) / Glass Panel (No touch function) |
| | Controller | 90% ± 2% / 90% |
| | | USB Interface / - |

Dimensions

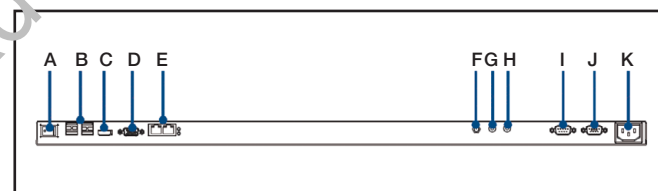
Unit: mm



Ordering Information

| Part No. | Description |
|-----------------|--|
| UTC-532GP-ATB0E | 31.5" Intel® Pentium® N4200 Based fanless UTC with PCT.T/S. 4 GB 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. 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

