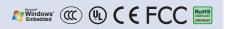
UTC-124

23.8" Ubiquitous Touch Computer UTC-124G1 with Celeron® J3455



Features

- Slimmer and Lighter design
- Low power and fanless system design
- Built-in Intel Celeron® J3455
- 23.8" monitor with 16:9 widescreen display
- IP65-rated front panel for water and dust resistance
- Clean back cover design with 3 Way IO cable routing
- Supports both landscape and portrait screen orientations
- VESA 100 mm standard mounting holes for varied mounting demands
- Support DeviceOn/iService software for remote device management



DeviceOn/iService

Introduction

UTC-124G1 features an all-in-one computing system which 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.

Thanks for the slim and light looking with 3 way cable routing design, makes UTC-124G1 good fit to diverse scenarios and areas.

The systems deliver updated information with well-designed interactive interfaces, with 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.

Moreover, Advantech DeviceOn/iService Software is a next-generation unified device management unified device management solution based on the WISE-DeviceOn platform. With support for batch operations and multi-device control, DeviceOn/iService enables easy device configuration and deployment for convenient remote device management.

Specifications

CPU Celeron® 38455 Base/Burst Frequency 110Ght/2/250Ght (Quad-Core) Memory 1 x 204 pin SO-DIMM DDRSL 1600 MHz up to 8 GB Storage 1 x M 2242 SS D/ 1 x 1 SS	-		
Memory 1 x 204 pin SO-DiMM DDR3i 1000 MHz up to 8 GB Storage 1 x M 2 2242 SD /1 x 2.5 internal SATA storage Network 2 x Gigabil Ethernet ports 2 x Gigabil Ethernet ports 2 x Gigabil Ethernet ports 4 x USB3 0 2 x Gigabil Ethernet ports 1 x HOUNZ RS-232 (42/485) 4 x USB 4 x USB3 0 2 x Gigabil Ethernet ports 1 x HOUNZ RS-232 (42/485) 4 x USB 1 x HOUNZ RS-232 (42/2485) 4 x USB3 0 Stereo Speaker 2 x 2W Bus expansion 1 x M 2 key220, 1 x M.2 key2242 Bus expansion 1 x M 2 key220, 1 x M.2 key2242 Mounting VESA 100 x 100 mm (Screw Size, M4, 7mm) Dimension (WKHD) 587 x 356 x 42.5 Meinting VESA 100 x 100 mm (Screw Size, M4, 7mm) Dimension (WKHD) 587 x 356 x 42.5 Stere Operating temperature 0 - 40 °C (32 - 104 °F) ° Relative Humidity 10 - 95% @40 °C non-condensing Vibration 0.56 Shock Shock (00 pak acceleration (11 msec. duration) Certification CE (CC, CE, BSM Font Panel Protection Pi6 Scompin		CPU	Celeron [®] J3455
Storage Storage NM 2242 SSD / 1 x 2.5 internal SATA storage Network 2 x 65-232/422/485) 2 x 65-232/422/485) V/0 Ports 2 x 65-232/422/485) 4 x USB3.0 V/0 Ports 2 x 61-232/422/485) 4 x USB3.0 Stereo Speaker 2 x 2W Mounting VEX Porteo Lak Bus expansion 1 x M 2 key2242 Mounting VEX NO x 100 mm (Srew Size, M4, 7mm) Dimension (WxHxD) 567 x 365 x 42.5 Weight 0 6-36kg Monting VEX NO x 100 mm (Srew Size, M4, 7mm) Dimension (WxHxD) 567 x 365 x 42.5 Weight 0 - 40 °C (32 ~ 104 °F)* Relative Humidity 0 - 40 °C (32 ~ 104 °F)* Relative Humidity 0 - 40 °C (32 ~ 104 °F)* Relative Humidity 0 - 40 °C (32 ~ 104 °F)* Relative Humidity 0 - 40 °C (32 ~ 104 °F)* Relative Humidity 0 - 40 °C (32 ~ 104 °F)* Relative Humidity 0 - 40 °C (32 ~ 104 °F)* Relative Humidity 0 - 40 °C (32 ~ 104 °F)* Relative Humidity 0 - 40 °C (32 ~ 104 °F)* Relative Humidity		Base/Burst Frequency	1.10Ghz/2.50Ghz (Quad-Core)
Storage Storage NM 2242 SSD / 1 x 2.5 internal SATA storage Network 2 x 65-232/422/485) 2 x 65-232/422/485) V/0 Ports 2 x 65-232/422/485) 4 x USB3.0 V/0 Ports 2 x 61-232/422/485) 4 x USB3.0 Stereo Speaker 2 x 2W Mounting VEX Porteo Lak Bus expansion 1 x M 2 key2242 Mounting VEX NO x 100 mm (Srew Size, M4, 7mm) Dimension (WxHxD) 567 x 365 x 42.5 Weight 0 6-36kg Monting VEX NO x 100 mm (Srew Size, M4, 7mm) Dimension (WxHxD) 567 x 365 x 42.5 Weight 0 - 40 °C (32 ~ 104 °F)* Relative Humidity 0 - 40 °C (32 ~ 104 °F)* Relative Humidity 0 - 40 °C (32 ~ 104 °F)* Relative Humidity 0 - 40 °C (32 ~ 104 °F)* Relative Humidity 0 - 40 °C (32 ~ 104 °F)* Relative Humidity 0 - 40 °C (32 ~ 104 °F)* Relative Humidity 0 - 40 °C (32 ~ 104 °F)* Relative Humidity 0 - 40 °C (32 ~ 104 °F)* Relative Humidity 0 - 40 °C (32 ~ 104 °F)* Relative Humidity		Memory	1 x 204 pin SO-DIMM DDR3L 1600 MHz up to 8 GB
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Mounting VESA 100 x 100 mm (Screw Size, M4, 7mm) Dimension (WxHxD) 587 x 356 x 42.5 Weight 6.53kg OS Support Weight Operating temperature 0 - 40 °C (32 - 104 °F)* Relative Humidity 10 ~ 95% @ 40 °C non-condensing Vibration 0.56 Shock Shock 100 peak acceleration (11 msec. duration) Certification CE, FCC, CB, UL, CCC, BSMI Front Panel Protection IP 65 Compliant Power Supply Pole n/a Power consumption 43.5W Max Resolution 1920 x 1080 Max Resolution 1920 x 1080 Max Color 16.7M Pixel Pitch (um) 2745 x 2745mm Brightness (cd/m²) 350 View Angle 178° /178° Touch Screen Option Light Transmission 85%		Stereo Speaker	2 x 2W
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Certification CE, FCC, CB, UL, CCC, BSMI Front Panel Protection IP 65 Compliant Power Supply DC Input Rating 12-24V/7-3.5A (90W Adapter) Power consumption 43.5W Power consumption 43.5W Max.Resolution 1920 x 1080 Max.Color 16.7M Pride Pitch (um) 2745 x 2745mm Brightness (cd/m²) 350 View Angle 178° /178° Touch Screen Option Light Transmission > 85%	Environment Specification	Shock	Shock 10G peak acceleration (11 msec. duration)
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Power Supply PoE n/a Power consumption 43.5W Size/Type 23.8" FHD Max.Resolution 1920 x 1080 Max.Color 16.7M Pixel Pitch (um) 2745 x 2745mm Brightness (cd/m²) 350 View Angle 178° /178° Touch Screen Option Light Transmission > 85%		Front Panel Protection	IP 65 Compliant
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LCD Display Max. Color 16.7M Pixel Pitch (um) 2745 x 2745mm Brightness (cd/m²) 350 View Angle 178° / 178° Touch Screen Option Light Transmission >85%		Size/Type	23.8" FHD
LCD Display Pixel Pitch (um) 2745 x 2745mm Brightness (cd/m²) 350 View Angle 178° /178° Touch Screen Option Light Transmission > 85%		Max.Resolution	1920 x 1080
Pixel Pitch (um) 2/45 x 2/45mm Brightness (cd/m²) 350 View Angle 178° /178° Touch Screen Option Light Transmission > 85%	LCD Diaplay		16.7M
View Angle 178° /178° Type Projected Capacitive. Touch Screen Option Light Transmission > 85%	LCD Display	Pixel Pitch (um)	2745 x 2745mm
Type Projected Capacitive. Touch Screen Option Light Transmission > 85%		Brightness (cd/m ²)	350
Touch Screen Option Light Transmission > 85%		View Angle	178° /178°
		Туре	Projected Capacitive.
Controller USB Interface	Touch Screen Option	Light Transmission	> 85%
		Controller	USB Interface

ADIANTECH Interactive Self-service Terminals All product specifications are subject to change without notice, * identify as optional function

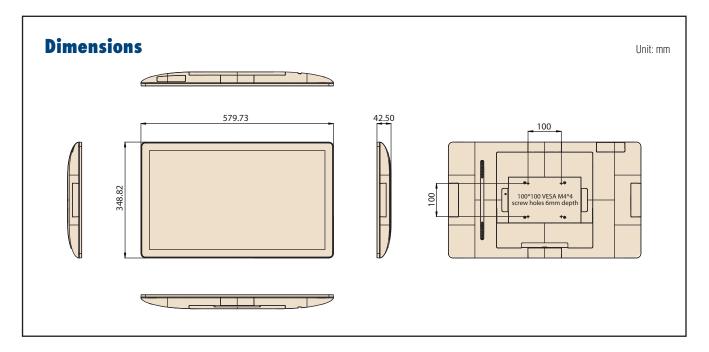


Last updated: 6-Sep-2023

Specifications (Cont.)

	Operating System	Windows 10
	Common Controls (Reboot, Shutdown)	\checkmark
	Remote desktop	√(VNC)
	Device-Specific Controls (Audio)	$\sqrt{*}$
	Connection Status	\checkmark
	Hardware Status	\checkmark^{\star}
DeviceOn/iService	Hard Disk Status	\checkmark^{\star}
Remote Device Management	Batch Operation Support	\checkmark
	OTA Storage Management	FTP
	OTA Software Updates	\checkmark
	Software Watchlist	\checkmark
	Software Start/Stop	$\sqrt{*}$
	Kiosk Mode	
*Dependent on device model	Peripherals Watchlist	\checkmark^{\star}

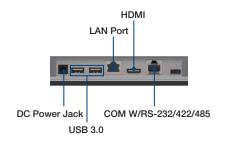
Note: DeviceOn/iService software must be downloaded from the Advantech website at https://www.advantech.com/search/?q=DeviceOn%2FiService&st=support&sst=Utility

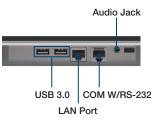


VICPAS

HMI Parts Cent

Fully- Integrated I/O





Ordering Information

For Worldwide Model

Part No.	Configuration
UTC-124G1P-WWW1E	23.8" FHD Pcap w/ Celeron J3455, 4G RAM, 128G TLC, Wifi/BT, Win 10 LTSC
UTC-124G1P-NWW1E	23.8" FHD Pcap w/ Celeron J3455, 4G RAM, 128G TLC

For US only Model

Part No.	Configuration
UTC-124G1P-WUS1E	23.8" FHD Pcap w/ Celeron J3455, 4G RAM, 128G TLC, Wifi/BT, Win 10 LTSC, US Power Cord

Extra ordering information

Part No.	Descriptions
1702002605	Power cord 2P FRANCE 10A/16A 220V 1.83M 90D
1702002600	Power Cord 3P UL/CSA(USA) 125V 10A 1.83M 180D
1700000596-11	Power Cord (China) CCC,10A 250V, 3P 1830mm
1700018704	Power Cord UK BSI 2P 10A 250V 180cm 18AWG
1700025928-02	COM Port Converter cable RJ48-10P10C to D-SUB 9P 35cm
UTC-T01-STANDE	Tri Shape Floor Stand 120cm
ARES-2425X-S271001	Tilt Table Stand for UTC-100 Serires (Black)
ARES-12250-L101000	Vesa Wall-mount for UTC-100 Series (Black)

Peripheral Mountable on All 4 Sides



Peripherals for UTC-100(AIO system) series

Part No.	Description
UTC-100P-B11E	2D Barcode Scanner for UTC-115/120
UTC-100P-C10E	5M Camera for UTC-115/120
UTC-100P-R10E	RFID Scanner for UTC-115/120
UTC-100P-M10E	MSR Reader for UTC-115/120
UTC-100P-S10E	Smart Card Reader for UTC-115/120
UTC-100P-L10E	LED Light Bar for UTC-115/120
UTC-100P-F10E	Finger Print Reader for UTC-115/120
UTC-100P-T10E	Thermal Camera for UTC-115/120



DeviceOn/iService

Unified Remote Device Management Software

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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

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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

Open for Expansion

Peripheral integration

Open APIs for integration

Software monitoring & access

Screens, USB devices, printers

Remote Access

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- 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

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- **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

