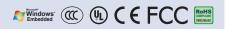
UTC-120

21.5" Ubiquitous Touch Computer UTC-120G with Pentium® N4200



Features

- Slimmer and Lighter design
- Low power and fanless system design
- Built-in Intel Pentium® N4200
- 21.5" 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-120 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-120 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

Process system CPU Intel® Pentium® N4200 (UTC-120G) Memory 1 x 044 pin SO-DIMM DDRSL 1600 MHz up to 8 GB Storage 1 x M2 2242 SSD / 1 x 1	-		
Memory 1 x 20 µin S0-DiMM DDR3i. 1600 MHz up 10 8 GB Storage 1 x M.2 2242 SSD / 1 x 2.5 internal SATA storage Network 2 x Gigabil Ethernet ports 2 x Scigabil Ethernet ports 2 x Gigabil Ethernet ports 4 x USB3 0 2 x Gigabil Ethernet ports 1 x HOWIN 1.4 1 x Audio Phone Jack Stereo Speaker 2 x 2W Bus expansion 1 x M.2 key220, 1 x M.2 key2242 Mounting VESA 100 x 100 mm (Gsrew Size, M4, 7mm) Dimension (WxHxD) 523 9 x 154 x 4935 Veight 529kg Veight 529kg OS Support Qierating temperature 0 - 40 °C (22 - 104 °F)* Relative Humidity 10 - 95% @ 40 °C non-condensing Vibration 0.56 Shock Shock 100 pask acceleration (11 msec. duration) Certification CE (CC, 0.8U, CCC, 0.8SM Power Supply PoE n/a Power Supply PoE n/a Power Supply PoE n/a Power Supply PoE n/a Power Supply PoE n/		CPU	Intel [®] Pentium [®] N4200 (UTC-120G)
Storage 1 x M.2 2242 SSD / 1 x 2.5 internal SATA storage Network 2 k Gigabil Ethernet ports X x USB3.0 2 x Gigabil Ethernet ports X turbul 2 x Gigabil Ethernet ports X turbul 2 x Gigabil Ethernet ports X turbul 1 x M.2 key223.0 x M.2 key2242 Bus expansion 1 x M.2 key223.0 x M.2 key2242 Mounting VESA 100 x 100 mm (Screw Size, M4, 7mm) Dimension (WxHxD) 523 y 3 x 315.4 x 39.5 Veight 529 kg Weight 0.40 °C (32 - 104 °F)* Relative HumidHy 10 - 95% @ 40 °C non-condensing Vibration 0.56 Shook Shook 105 peak acceleration (11 msec. duration) Certification 0.56 Compliant Linux 10 Pole Tent Pewer Supply Poet Poet Na Power Consumption 43.5W LCD Display Size/Type 215 °FHD Max Resolution 192 × 1080 Max Resolution 192 × 1080 Max Resolution 192 × 1080 Max Resolution 192 × 108		Base/Burst Frequency	1.10Ghz/2.50Ghz (Quad-Core)
Process system Network 2 x Gigabil Ethernet ports 2 x RS-232 CUM (COW2 RS-232/422/485) 4 x US33.0 Process system VO Ports 2 x Gigabil Ethernet ports 1 x HUM 1.4 1 x Judio Phone Jack Stereo Speaker 2 x 2W Bus expansion 1 x M2 key/220,1 x M2 key/2242 Mounting VEXA 100x 100 mm (Screw Size, M4, 7mm) Dimension (WxHzD) 523 y 315.4 x 39.5 Weight 529Q OS Support Win 10 IoT Enterprise 64bit Android 1.1 Vibration 0.56 Storeo Speaker 2 x (04 °F)* Relative Humidity Poerating temperature 0 - 40 °C (32 - 104 °F)* Relative Automotily Rock Shock 106 peak acceleration (11 msec. duration) Certification CF (CC, 08, UL, CCC, 08, SMI) Prover Supply PoE Poe n/a Power Supply PoE Max Resolution 192 Corpliant LCD Display Size/Type Max Resolution 192 V178 (44 WITE Adapter) Power Courplin 435 W Max Resolution 192 V1780 Max Resolution 192 V1780		Memory	1 x 204 pin SO-DIMM DDR3L 1600 MHz up to 8 GB
Process system I/O Ports 2 x RS-232 COM (COM2 RS-232/422/485) 4 x US83.0 Process system I/O Ports 2 x Gigabit Ethernet ports 1 x HOM 1.4 Stereo Speaker 2 x 2W Bue sexparsion 1 x M 2 key2230,1 x M2 key2242 Mounting VESA 100 x 100 mm (Screw Size, M4, 7mm) Dimension (WAHAD) 525 y x 315.4 x 39.5 Support Vin 10 I Enterprise 64bit Audroid 10.1 Linux Process geaker 0 - 40 °C (32 - 104 °F)* Relative Humidity 10 - 95% @ 40 °C non-condensing Vibration 0.5 Pook Shock 100 peak acceleration (11 msec. duration) Certification 0 F6 Scompliant Front Panel Protection I P65 Compliant Fort Panel Protection I Strift Edapter) Power consumption 43.5W LOp Display Size/Type Size/Type 21.5 'FHD Max. Resolution 1920 x 1080 Max. Roolution 1920 x 1080 Max. C		Storage	1 x M.2 2242 SSD / 1 x 2.5 internal SATA storage
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Bus expansion 1 x M.2 key2230, 1 x M.2 key2242 Mounting VESA 100 x 100 mm (Screw Size, M4, 7mm) Dimension (WxHxD) 523.9 x 315.4 x 39.5 Weight 5.29kg OS Support Win 10 loT Enterprise 64bit Android 10.1 Linux Performent Specification Operating temperature 0 – 40 °C (32 – 104 °F)* Relative Humidity 10 – 95% @ 40 °C non-condensing Vioration Vibration 0.56 Shock Shock 100 peak acceleration (11 msec. duration) Environment Specification P 65 Compliant Certification P 65 Compliant Power Supply PoE n/a Nack Nack LCD Display Size/Type 21.5' FHO Max Resolution 1920 x 1080 Max Resolution 1920 x 1080 Accor 16.7M Accor Max Resolution 248.25(H) x 248.25(V) 248.25(V) 248.25(V) Max Resolution 248.25(H) x 248.25(V) 248.25(V) 248.25(V) Max Resolution 248.25(V) 250 250 250 250 Max Color 16.7M 78° /178°	Process system	I/O Ports	2 x RS-232 COM (COM2 RS-232/422/485) 4 x USB3.0 2 x Gigabit Ethernet ports 1 x HDMI 1.4
Mounting VESA 100 x 100 mm (Screw Size, M4, 7mm) Dimension (WxHxD) 523 x 315 4 x 39.5 Weight 5.29 kg 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 Supply Pole n/a Bize/Type 21.5° FHD Max Resolution Max Resolution 1920 x 1080 Max Max Color 16.7M Pixel Pitch (um) 248.25(V) Bightness (cd/m²) 250 View Angle 178° /178° Touch Screen Option Light Transmission		Stereo Speaker	2 x 2W
Dimension (WxHxD) 523.9 x 315.4 x 39.5 Weight 5.29Kg OS Support Win 10 IoT Enterprise 64bit Android 10.1 Linux Person Operating temperature 0 - 40 °C (32 - 104 °F)* Relative Humidity 10 - 95% @ 40 °C non-condensing Vibration Vibration 0.5G Shock Shock 10G peak acceleration (11 msec. duration) Certification CE, FCC, CB, UL, CCC, BSMI Front Panel Protection P6 Compliant Power Supply POE n/a Power consumption 43.5W LCD Display Scolor 120 × 1080 Max.Resolution 1920 × 1080 Max. Color 16.7M Pixel Pitch (um) 248.25(V) Brightness (cd/m²) 250 View Angle 178° /178° Type Projected Capacitive. Light Transmission > 85%		Bus expansion	1 x M.2 key2230, 1 x M.2 key2242
Weight 5.29Kg OS Support Win 10 IoT Enterprise 64bit Android 10.1 Linux Perating temperature 0 ~ 40 °C (32 ~ 104 °F)* Relative Humidity 10 - 95% @ 40 °C cnon-condensing Vibration 0.5G Shock Shock 10G peak acceleration (11 msec. duration) Certification CE, FCC, CB, UL, CCC, BSMI Front Panel Protection IP 65 Compliant Power Supply PC Power consumption 43.5W Repart Color 12V/7A (84W ITE Adapter) Power consumption 43.5W Repart Color 16.7 FHD Max. Resolution 1902 x 1080 Max. Color 16.7 M Pixel Pitch (um) 248.25(H) x 248.25(V) Brightness (cd/m²) 250 View Angle 178° /178° Touch Screen Option Light Transmission		Mounting	VESA 100 x 100 mm (Screw Size, M4, 7mm)
OS Support Win 10 IoT Enterprise 64bit Android 10.1 Linux Operating temperature 0 ~ 40 °C (32 ~ 104 °F)* Relative Humidity 10 ~ 95% @ 40 °C non-condensing Vibration 0.56 Shock Shock 10G peak acceleration (11 msec. duration) Certification CE, FCC, CB, UL, CCC, BSMI Front Panel Protection IP 65 Compliant Power Supply PoE n/a Power consumption 43.5W Max Resolution 1920 x 1080 Max. Color 16.7M Pixel Pitch (um) 248.25(V) Brightness (cd/m²) 250 View Angle 178 °/178° Touch Screen Option Lipt Transmission 85%			
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Power consumption 43.5W Bize/Type 21.5" FHD Max.Resolution 1920 x 1080 Max.Color 16.7M Pixel Pitch (um) 248.25(H) x 248.25(V) Brightness (cd/m²) 250 View Angle 178° /178° Touch Screen Option Light Transmission > 85%		DC Input Rating	12V/7A (84W ITE Adapter)
Size/Type 21.5" FHD Max.Resolution 1920 x 1080 Max. Color 16.7M Pixel Pitch (um) 248.25(H) x 248.25(V) Brightness (cd/m²) 250 View Angle 178° /178° Touch Screen Option Light Transmission > 85%	Power Supply	PoE	n/a
Max Resolution 1920 x 1080 Max. Color 16.7M Pixel Pitch (um) 248.25(H) x 248.25(V) Brightness (cd/m²) 250 View Angle 178° /178° Touch Screen Option Light Transmission > 85%		Power consumption	43.5W
LCD Display Max. Color 16.7M Pixel Pitch (um) 248.25(H) x 248.25(V) Brightness (cd/m²) 250 View Angle 178° / 178° Touch Screen Option Light Transmission > 85%		Size/Type	21.5" FHD
LCD Display Pixel Pitch (um) 248.25(H) x 248.25(V) Brightness (cd/m²) 250 View Angle 178° / 178° Touch Screen Option Light Transmission > 85%		Max.Resolution	1920 x 1080
Touch Screen Option Light Transmission >85%		Max. Color	16.7M
View Angle 178° /178° Type Projected Capacitive. Touch Screen Option Light Transmission > 85%	LOD Display	Pixel Pitch (um)	248.25(H) x 248.25(V)
Type Projected Capacitive. Touch Screen Option Light Transmission > 85%		Brightness (cd/m ²)	250
Touch Screen Option Light Transmission > 85%		View Angle	178° /178°
		Туре	
Controller USB Interface	Touch Screen Option		
		Controller	USB Interface

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HMI Parts Cente

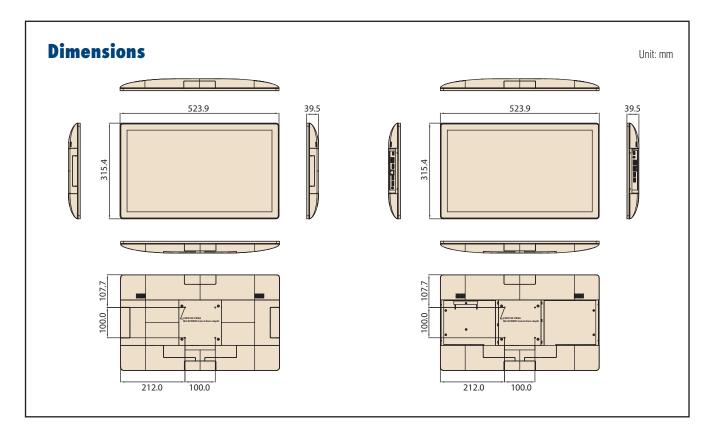
ADVANTECH Interactive Self-service Terminals
All product specifications are subject to change without notice, * identify as optional function



Specifications (Cont.)

	Operating System	Windows 10
	Common Controls (Reboot, Shutdown)	\checkmark
	Remote desktop	√(VNC)
	Device-Specific Controls (Audio)	\checkmark^{\star}
	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	\checkmark^{\star}
	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



Fully- Integrated I/O



Online Download www.vicpas.com

Ordering Information

For Worldwide Model

Part No.	Descriptions
UTC-120GP-WWW1E	21.5" FHD Pcap, N4200, 4G RAM, 128G SSD, Win10, Wifi/BT
UTC-120GP-AWW1E	21.5" FHD Pcap, N4200, 4G RAM, 128G SSD, Wifi/BT, Android

For US only Model

Part No.	Descriptions
UTC-120GP-WUS1E	21.5" FHD Pcap, N4200, 4G RAM, 128G SSD, Win10, Wifi/BT, Power Cord
UTC-120GP-NUS1E	21.5" FHD Pcap, N4200, 4G RAM, 128G SSD, Wifi/BT, Power Cord

For EU only Model

Part No.	Descriptions
UTC-120GP-WEU1E	21.5" FHD Pcap, N4200, 4G RAM, 128G SSD, Win10, Wifi/BT, EU Power Cord
UTC-120GP-AWW1E	21.5" FHD Pcap, N4200, 4G RAM, 128G SSD, Wifi/BT, Android

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
UTC-100P-STAND0E	L Stand
UTC-300P-D20E	Desk Stand, Silver, for UTC-115/120
UTC-AVALO-STANDOE	Avalo Stand
ARES-2423X-S151001	Table Stand for UTC-115 (Black)
ARES-2425X-S271001	Tilt Table Stand for UTC-100 Serires (Black) (Support Portrait & Landscape)
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 MonitoringConnection/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

<u>~</u>

Online Download www.vicpas.com

ΟΤΑ

Setup Booster

- Software/peripheral watchlist
- Roles, rule templates

Note: Some functions may vary according to the product

System Architecture

