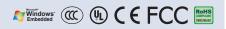
UTC-120

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 L(

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 204 pin S0-DIMM DDRSL f600 MHz up to 8 GB Storage 1 x 202 z25 SD / 1 x 22 z22 SS D / 1 x 22 z2 SS D / 1 x 2 z2 / 22 Z2 ZS D / 1 x 1 z ze / 22 Z2 ZS D / 1 x 2 ze / 22 Z2 ZS D / 1 x 2 ze / 22 Z2 ZS D / 1 x 2 ze / 22 Z2 ZS D / 1 x 2 ze / 22 Z2 ZS D / 1 x 2 ze / 22 Z2 ZS D / 1 x 2 ze / 22 ZS D / 1 x Ze / 22 ZS D / 1 x 2 ze / 22 ZS D / 1 x 2 ze / 22 ZS D / 1 x 2 ze / 22 ZS D / 1 x 2 ze / 22 ZS D / 1 x 2 ze / 22 ZS D / 1 x 2 ze / 22 ZS D / 1 x 2 ze / 22 ZS D / 2 ZE / 22 ZS D / 2 ZE / 22 ZS D / 2 ZE / 22 ZE /			
Memory 1 x 20 µin S0-DiMM DDR3i 1000 MHz up 6 8 B Storage 1 x M 2 242 SSD / 1 x 2.5 internal SATA storage Network 2 x Gigabit Ethernet ports 2 x Gigabit Ethernet ports 2 x Gigabit Ethernet ports 4 x USS3 0/2 x 2 x USS3 0/2 v 2 x USS3 v 2 x USS3 v 2 x USS 0/2 v 2 x USS3 v 2 x USS3 0/2 v 2 x USS3		CPU	Intel® Pentium® N4200 (UTC-120G)
Storage 1 x M.2 2242 SSD / 1 x 2.5 internal SATA storage Network 2 x Gigabil Ethernet ports 2 x FG-232 COM (COM2 RS-522/422/465) 4 x USB3.0 (optional) 2 x Gigabil Ethernet ports 1 x HDM1 1.4 1 x HDM1 1.4 1 x HDM1 1.4 1 x HDM1 1.4 1 x M2 key220, 1 x M2 key2242 Mounting VESA 100 w Kork Size, M4, 7mm) Dise spansion 1 X M2 key220, 1 x M2 key2242 Mounting VESA 100 w Kork ow Size, M4, 7mm) Dimension (WxHxD) 523 9 x 315.4 x 39.5 Weight Size/900 Vibration Questing temperature 0 perating temperature 0 - 40 °C (32 - 104 °F)* Relative Humidity 10 - 95% (29 40 °C non-condensing Vibration 0.56 Stock Stock 105 peak acceleration (11 msec. duration) Certification C F (CC, BS MI) Front Panel Protection P 66 compliant Front Panel Protection P 66 compliant Front Panel Protection 12 Size/17 W Max Resolution 13 SW LDD Display		Base/Burst Frequency	1.10Ghz/2.50Ghz (Quad-Core)
Process system Network 2 x Gigabil Ethernet ports 2 x KS :232 COM (COM/2 RS-232/422/485) 4 x USB3 (Dptional) 4 x USB3 (Dptional) 2 x SGS3 (Dptional) 2 x Gigabil Ethernet ports 1 x Multip 1 x Hollin 1:4 1 x Audio Phone Jack Stereo Speaker 2 x 2 2W Bus expansion 1 X M2 key/2242 Mounting VEXA 100x 100 nm (Screw Size, M4, 7mm) Dimension (WxHxD) 523(3 x 316.4 x 39.5 Weight 529(3 x 316.4 x 39.5 Weight 529(3 x 316.4 x 39.5 Mounting VEXA 100x 100 nm (Screw Size, M4, 7mm) Dimension (WxHxD) 529(3 x 316.4 x 39.5 Weight 529(3 w 316.4 x 39.5 Mounting VEXA 100x 100 nm (Screw Size, M4, 7mm) Dimension (WxHxD) 529(3 w 316.4 x 39.5 Mounting VEXA 100x 100 nm (Screw Size, M4, 7mm) Dimension (WxHxD) 529(8 w 30.5 Core and generature 0.40 °C (32 - 104 °F)* Relative Humidity 10 - 55% 40 °C non-condensing Vibration 0.56 Shock Shock 106 peak acceleration (11 msec. duration)		Memory	1 x 204 pin SO-DIMM DDR3L 1600 MHz up to 8 GB
Process system 2 x R5-232 COM (COM2 R5-232/422/485) 4 x USB3.0 / 2 x USB3.0 (optional) 2 x Gigabi Ethernet ports 1 x HUMI 14 1 x Audio Phone Jack Stereo Speaker 2 x 2W Bus expansion 1 x M.2 key2230,1 x M.2 key2242 Mounting VESA 100 x 100 mm (Grew Size, M4, 7mm) Dimension (WxHxD) 523.9 x 315.4 x 39.5 Weight 529kg OS Support Win 10 IoT Enterprise 64bit Android 10.1 Linux Ubunt 20.04 Prevent Specification Operating temperature 0 - 40° C (32 ~ 104 °F)* Relative Humidity 10 - 95% @ 40° C non-condensing 10 - 95% @ 40° C non-condensing Vibration 0.5 Shock Shock 105 peak acceleration (11 msec. duration) Certification C FECC, CeB, LU, CCC, BSMI Front Panel Protection IP65 Compilant Power consumption 43.5W LCD Display Size/Type 21.5 'FHD Max Resolution 1920 × 1080		Storage	1 x M.2 2242 SSD / 1 x 2.5 internal SATA storage
Process system 4/0 Ports 2 x Gigabi Ethernet ports 1 x HDMI 1.4 1 x Audio Phone Jack Stereo Speaker 2 x ZW Bus expansion 1 x M2 key2242 Mounting VESA 100 x 100 mm (Screw Size, M4, 7mm) Dimension (WHxDD) 5239, 3315 4 x 39.5 OS Support Weight 529kg Mounting VESA 100 x 100 mm (Screw Size, M4, 7mm) Dimension (WHxDD) 5239, 3315 4 x 39.5 OS Support Veight 529kg Mounting VeC (2 a - 104 F)* Relative Humidity 10 - 95% @ 40 °C non-condensing Core consumption Operating temperature OC Input Rating 0.56 Shock Shock 100 peak acceleration (11 msec. duration) Certification CE, FCC, CB, UL, CCC, BSMI Front Panel Protection IP 65 Compliant Power consumption 435W Power Consumption 15 F HD Max Resolution 1920 x 1080 Max Resolution			2 x Gigabit Ethernet ports
Bus expansion 1 x M2 key2230, 1 x M2 key2242 Mounting VESA 100 x 100 mm (Screw Size, M4, 7mm) Dimension (WxHzD) 523.9 x 315.4 x 39.5 Weight 52.9 kg OS Support Win 10 loT Enterprise 64bit Android 10.1 Linux Ubuntu 20.04 Penetropy Operating temperature 0 - 40 °C (32 - 104 °F)* Relative Humidity 10 ~ 95% @ 40 °C non-condensing Vitration 0.56 Stock Shock 105 peak acceleration (11 msec. duration) Certification CE fCC, CB, UL, CCC, BSMI Front Panel Protection P 65 compliant Power Supply OI fund Raing 12V/7A (48W ITE Adapter) Power consumption 43.5W LCD Display Size/Type 21.5° FHD Max Resolution 1920 x 1080 Max Resolution 1920 x 1080 Max Resolution 248.25(H) x 248.25(V) Hiel Prich (um) 248.25(H) x 248.25(V) Max Resolution 250 Wise Mate 250 Wise Mate 250 Wise Mate 250 Wise Mate 250	Process system	I/O Ports	4 x USB3.0 / 2 x USB3.0 (optional) 2 x Gigabit Ethernet ports 1 x HDMI 1.4
Mounting VESA 100 x 100 mm (Screw Size, M4, 7mm) Dimension (WxHxD) 523, 9x 315, 4x 39.5 Weight 529 kg OS Support Win 10 IoT Enterprise 64bit Android 10.1 Linux Ubuntu 20.04 Perating temperature 0 - 40 °C (32 - 104 °F)* Relative Humidity 10 - 95% @ 40 °C non-condensing Vibration 0.56 Shock Shock 100 geak acceleration (11 msec. duration) Certification CE, FCC, CB, UL, CCC, BSMI Front Panel Protection IP 65 Compliant Poer consumption 43.5W Poer consumption 43.5W And Color 16.7M Pixel Prote(m) 1920 × 1080 Max. Color 16.7M Pixel Proth (m) 248.25(H) x 248.25(V) Brightness (cd/m²) 250 View Angle 78° /178° Touch Screen Option Type Type Projected Capacitive. Light Transmission 80% ± 5% / 90%		Stereo Speaker	2 x 2W
Dimension (WkHxD) 523.9 x 315.4 x 39.5 Weight 5.29 kg OS Support Win 10 IoT Enterprise 64bit Android 10.1 Linux Ubuntu 20.04 Environment Specification Operating temperature 0 - 40 °C (32 - 104 °F)* Relative Humidity 10 - 95% @ 40 °C on-condensing Vibration 0.5G Shock Shock 10G peak acceleration (11 msec. duration) Certification CE, CC, CB, UL, CC, BSMI Front Panel Protection P65 compliant Power consumption 43.5W Power consumption 43.5W Max Resolution 1920 x 1080 Max Resolution 1920 x 1080 Max Resolution 1920 x 1080 Max Resolution 248.25(V) Pightness (cd/m²) 250 View Angle 7178° Touch Screen Option Type Projected Capacitive.		Bus expansion	1 x M.2 key2230, 1 x M.2 key2242
Dimension (WkHxD) 523.9 x 315.4 x 39.5 Weight 5.29 kg OS Support Win 10 IoT Enterprise 64bit Android 10.1 Linux Ubuntu 20.04 Environment Specification Operating temperature 0 - 40 °C (32 - 104 °F)* Relative Humidity 10 - 95% @ 40 °C on-condensing Vibration 0.5G Shock Shock 10G peak acceleration (11 msec. duration) Certification CE, CC, CB, UL, CC, BSMI Front Panel Protection P65 compliant Power consumption 43.5W Power consumption 43.5W Max Resolution 1920 x 1080 Max Resolution 1920 x 1080 Max Resolution 1920 x 1080 Max Resolution 248.25(V) Pightness (cd/m²) 250 View Angle 7178° Touch Screen Option Type Projected Capacitive.		Mounting	VESA 100 x 100 mm (Screw Size, M4, 7mm)
Weight5.29kgOS SupportWin 10 IoT Enterprise 64bit Android 10.1 Linux Ubuntu 20.04Relative Humidity0 ~ 40 °C (32 - 104 °F)*Relative Humidity10 - 95% @ 40 °C con-condensingVibration0.5GShockShock 10G peak acceleration (11 msec. duration)CertificationCE, FCC, CB, UL, CCC, BSMI Front Panel ProtectionPower SupplyP0EPower consumption43.5WAnacceleration12V/7A (84W ITE Adapter)Power consumption43.5WMax Resolution1920 x 1080Max Color16.7MPixel Pitch (um)248.25(H) x 248.25(V)Brightness (cd/m²)250View Angle178° /178°Touch Screen OptionLight TransmissionBoys + 5% /90%190%		Dimension (WxHxD)	
OS Support Android 10.1 Linux Ubunt 20.04 Linux Ubunt 20.04 Linux Ubunt 20.04 Inux Ubunt 20.04 0 - 40 °C (32 - 104 °F)* Relative Humidity 10 - 95% @ 40 °C non-condensing Vibration 0.56 Stock Shock 10G peak acceleration (11 msec. duration) Certification CE, FCC, CB, UL, CCC, BSMI Certification CE, FCC, CB, UL, CCC, BSMI Power Supply DC Input Rating PoE n/a Power consumption 43.5W Max.Resolution 1920 x 1080 Max.Resolution 1920 x 1080 Max. Color 16.7M 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			5.29Kg
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Environment Specification 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 PoE POWer consumption 43.5W Size/Type 21.5" FHD Max.Resolution 1920 x 1080 Max. Color 16.7M Pikel Pitch (um) 248.25(H) x 248.25(V) Brightness (cd/m²) 250 View Angle 178° /178° Touch Screen Option Light Transmission		Operating temperature	0 ~ 40 °C (32 ~ 104 °F)*
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Front Panel Protection IP 65 Compliant Power Supply DC Input Rating 12V/7A (84W ITE Adapter) Power consumption 43.5W Power consumption 43.5W Kax 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	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 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		Front Panel Protection	IP 65 Compliant
Power consumption 43.5W 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 Light Transmission 80% ± 5% / 90%		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 B0% ± 5% / 90% 80% ± 5% / 90%	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 80% ± 5% / 90%		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 80% ± 5% / 90%	LCD Display	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 B0% ± 5% / 90% 80% ± 5% / 90%		Max.Resolution	1920 x 1080
Touch Screen Option Type Projected Capacitive. Touch Screen Option Light Transmission 80% ± 5% / 90%		Max. Color	16.7M
View Angle 178° / 178° Touch Screen Option Type Projected Capacitive. Light Transmission 80% ± 5% / 90%		Pixel Pitch (um)	248.25(H) x 248.25(V)
Touch Screen Option Type Projected Capacitive. 80% ± 5% / 90% 80% ± 5% / 90%		Brightness (cd/m ²)	250
Touch Screen Option Light Transmission 80% ± 5% / 90%		View Angle	
	Touch Screen Option	21	
Controller USB Interface		8	
		Controller	USB Interface

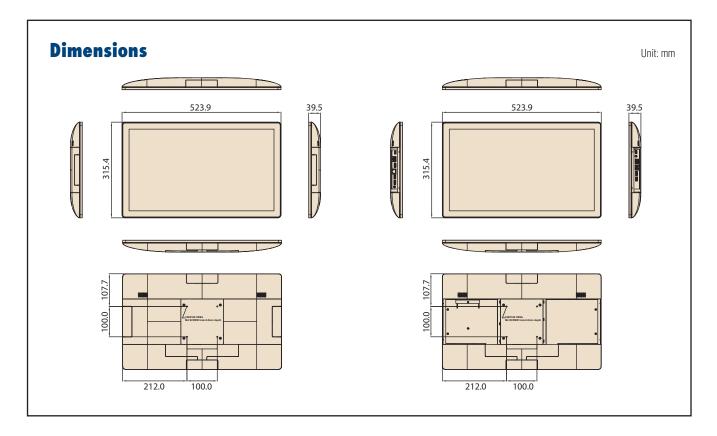
AD\ANTECH Interactive Self-service Terminals

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
DeviceOn/iService Remote Device Management	Hardware Status	\checkmark^{\star}
	Hard Disk Status	\checkmark^{\star}
	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	$\sqrt{}$

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



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-NWW0E	21.5" FHD Pcap, N4200, 4G RAM, 128G SSD
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 China Only Model

Part No.	Descriptions
UTC-120GP-WCN1E	21.5" FHD Pcap, N4200, 4G RAM, 128G SSD, Wifi/BT
UTC-120GP-NCN0E	21.5" FHD Pcap, N4200, 4G RAM, 128G SSD

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	UTC-515/520 Tri Shape Floor Stand 120 cm
UTC-300P-D20E	Desk Stand, Silver, for UTC-318/320
UTC-UPOS-STANDOE	Double Hinge Stand
UTC-AVALO-STANDOE	Avalo Stand
ASK-TBSD-BS1510A01	Table Stand for UTC-100 Series (Black)
ASK-TBSD-BS1702A01	Table Stand for UTC-100 Series (Black)
ASK-TBSD-BS2710A01	Tilt Table Stand for UTC-100 Serires (Black)
ASK-MNT-NMBLA37G00	Adjustable VESA Wall-Mount for UTC-100 Series
ASK-MNT-NMBLA10AC0	Vesa Wall-mount for UTC-100 Series (Black)
ASK-MNT-NMSLA10H00	Vesa Wall-mount for UTC-100 Series (Silver)

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

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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



- Connection/hardware status
- Software/peripheral status
- Failure notifications

Remote Controls

- Power controls
- Audio, backlight controls
- Software controls

Troubleshooting

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- Screenshots
- Remote desktop support

Operational Efficiency

OTA updates

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- 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

