UTC-520

UTC-520.J with Intel® Celeron® J6412



DeviceOn/iService

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Introduction

21.5" Ubiquitous Touch Computer

Features

- Low-power, fanless system design
- Built-in Intel[®] Celeron[®] J6412 (UTC-520J)
- 21.5" monitor with 16:9 widescreen display
- IP65-rated front panel for water and dust resistance
- All-in-one aluminum extrusion design
- Supports both landscape and portrait screen orientations
- VESA 100 mm standard mounting holes for varied mounting demands
- Side groove design for integrating peripherals
- Optional 400 nit LCD panel
- Support DeviceOn/iService software for remote device management
- J platform supports TPM 2.0

UTC-520 is an all-in-one computer with an Intel® Celeron® J6412 processor, widescreen LCD touch panel, and side grove design for integrating optional peripherals. Designed for diverse self-service, content broadcasting, and interactive signage applications, UTC-520 systems can be deployed in a wide range of usage scenarios for enhancing enhance customer satisfaction, furthering brand equity, and maximizing business profits. Advantech's DeviceOn/iServiceis a next-generation unified device management solution based on the WISE-DeviceOnplatform. 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 AA ~ .

Specificatio			Vertrieb durch			
Model	7113	UTC-520.I	AMC – Analytik & Messtechnik GmbH Chemnitz			
IVIUUCI	CPU	Intel® Celeron® J6412				
	Base Frequency	2.0GHz	Heinrich-Lorenz-Str. 55 Tel.: +49/371/38388-0			
	Cache	1.5 MB L2 Cache	09120 Chemnitz Fax: +49/371/38388-99			
	Memory	DDR4-3200 up to 32GB	E-Mail: info@amc-systeme.de Web: www.amc-systeme.d			
	HDD	1 x 2.5 internal SATA HDD bay	C Main modelane systemetae mes minute systemeta			
	Network (LAN)	2 x RJ-45; LAN1: Realtek RTL8111H, LAN2: Realtek RTL	01111			
System	I/O	4 x USB3.2 Gen2 (10Gbps) 2 x GbE, LAN1: Intel i219LM, LAN2: Intel i210AT/IT 1 x HDMI / 1 x DP 1 x Audio Line-out 1 x Mic-in 2 x RS-232 COM (RS-422/485)*	01111			
	Stereo Speaker	2 x 3W				
	Expansion	1x E-Key for wireless module (Type: 2230) optional B-Key for LTE module 1x M-Key support SATA M.2 2242 module				
	Mount Options	VESA 100 x 100 mm				
Mechanical	Dimensions (W x H x D)	517.6 x 313.5 x 43.5 mm				
	Weight	8 kg (17.6 lb)				
Board Features	Watchdog Timer	Programmable 1 ~ 255 sec/min				
Board Features	TPM	TPM2.0				
Operating System		Win 10 IoT / Win 11 IoT				
	Operating Temperature	0 ~ 40 °C/32 ~ 104 ° F				
	Relative Humidity	10 ~ 95% @ 40 °C/104 °F, non-condensing				
Environmental	Shock		Operating 10G peak acceleration (11ms duration), follow IEC 60068-2-27			
EIIVIIUIIIIIEIILAI	Vibration	Operating Random Vibration Test 5 ~ 500Hz, 1Grms @with HDD; 2Grms @with SSD, follow IEC 60069-2-64				
	EMC/Safety	CE (RED Compliance), EN 61000-6-2: 2005 /AC: 2005, FCC, UL, CB, CCC, BSMI				
	Front Panel Protection	IP65 rated/NEMA4 compliant				
	Input Voltage	12Vpc				
Power Supply	Adapter 12V, 7 A (84W ITE adapter)					
	Power Consumption	Typical 40W Max 50W				
	Size/Type	21.5" TFT LCD with LED backlight				
	Max.Resolution	1920 x 1080				
LCD Display	Max. Color	16.7M				
LOD Dispidy	Pixel Pitch (H x V)	248.25 x 248.25				
	Brightness	250 nits (400 nits optional)				
	Viewing Angle	178°/178°				
	Туре	Projected capacitive, Single point Analog Resistive 5-wir	res touch			
Touchscreen (PE/RE)	Light Transmission	88% ± 2%, 80% ± 3%				
	Controller	USB interface				

Interactive Self-service Terminals AD\ANTECH

All product specifications are subject to change without notice, * identify as optional function

Last undated: 7-Jan-2023

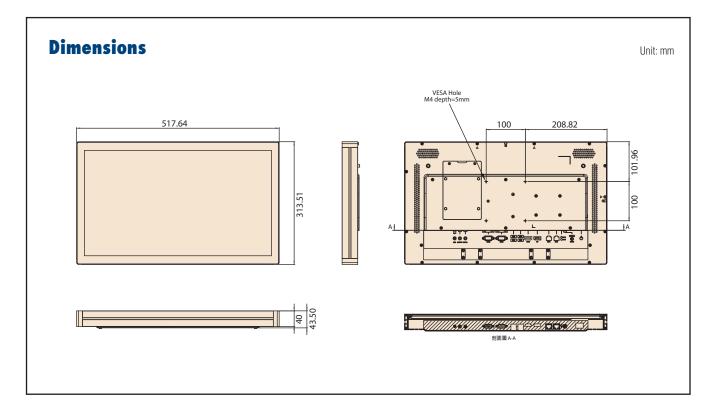


UTC-520

Specifications (Cont.)

	Operating System	Windows 10
	Common Controls (Reboot, Shutdown)	\checkmark
	Remote desktop	✓ (VNC)
	Audio Controls	\checkmark^{\star}
	Connection Status	\checkmark
D : 0 /0 :	Hardware Status	\checkmark^{\star}
DeviceOn/iService Remote Device Management	Hard Disk Status	\checkmark^{\star}
nemole Device Management	Batch Operation Support	\checkmark
	OTA Storage Management	FTP
	OTA Software Updates	\checkmark
	Software Watchlist	\checkmark
	Software Start/Stop	\checkmark^{\star}
Dependant on device model	Peripherals Watchlist	√

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





Ordering Information

Part Number	Description
UTC-520J-PE	21.5" 9H PCT.T/S with Intel® Celeron® J6412, 4GB RAM, IT Adapter
UTC-520JP-ATB0E	21.5" 7H PCT.T/S with Intel® Celeron® J6412, 4GB RAM, IT Adapter
UTC-520JR-ATB0E	21.5" Resi. T/S with Intel® Celeron® J6412, 4GB RAM, IT Adapter
1702002600	Power Cord 3P UL/CSA(USA) 125V 10A 1.83M 180D
1702002605	Power Cord 2P FRANCE 10A/16A 220V 1.83M 90D
1700000596	Power cable, CCC, 3P, 10A, 250V, 183 cm (China)
1700018704	Power cable, BSI, 2P, 10A, 250V, 180 cm (UK)
1960069544N001	I/O cover for UTC-520 series

Peripherals for UTC-500 Series

Part Number	Description
UTC-P01-A1E	5MP camera module (via USB)
UTC-P02-A0E	Magnet strip reader (via USB)
UTC-P03-A1E	RFID/NFC reader (via USB)
UTC-P06-A2E	Smart card reader (via USB)
UTC-P07-A4E	2D barcode module (Honeywell) (via USB)
UTC-P09-A0E	Fingerprint reader (via USB)
UTC-P21-A3E	2D Barcode reader + RFID + SCR

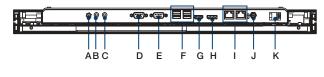
Optional Accessories

Part No.	Description
96PD-00824	UTK-700 Desktop Stand (w/o Printer)
96PD-00825	UTK-700 Extension Tower (For 96PD-00824 only)
UTC-520-STAND1E	Desktop stand for UTC-515/520
UTC-T01-STANDE	Triangle shape floor stand
UTC-H01-STANDE	H-shaped floor stand
ARES-2424X-S170201	Table Stand,100x100/75x75
ARES-12250-L101000	Wall Mount, 75/100mm

UTC-520 WiFi Ordering Information

Part No.	Description
UTC-WIFI-A4E	EWM-W163M201E 802.11ac/a/b/g/n 2T2R WIFI with BT 4.1 QCA6174A, M.2 2230
UTC-WIFI-A5E	AIW-163BR 802.11ax with BT5.2, PCIe-USB, Realtek 8852BE, M.2 2230

Fully Integrated I/O



A. Antenna Port B. Line-out C. Mic-in D. COM2 E. COM1 F. USB 3.2 x 4 G. HDMI H. DP I. LAN Ports x 2 J. DC input K. Power Switch

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ADVANTECH (Automation Premier Partner **UTC-520**

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

Operational Efficiency

- Supports over-the-air (OTA) firmware and software updates
- Ensures quick, easy, and secure device onboarding
- RESTful APIs for third-party system integration

Introduction

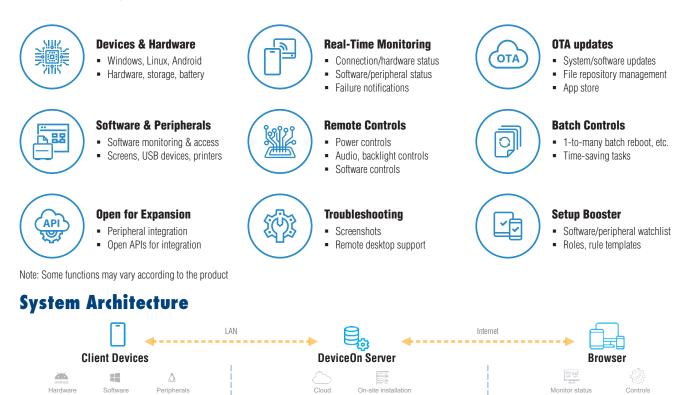
Advantech's DeviceOn/iService is a next-generation unified device management solution based on the WISE-DeviceOn platform. Designed to enable centralized monitoring and remote management, DeviceOn/iService supports Advantech devices equipped with Windows, Linux, or Android operating systems. The software 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

Free Installation

Via the Advantech website

Remote Access



Download Installer Via the Advantech website

Required Hardware ₩ Windows10 🔊 8GB RAM 🔯 Intel® Core™ 15 storage 🧕 125GB Free Installation

Via browse