USC-160

15.6" ARM Based Android All-in-One Computer



DeviceOn/iService 11.6° (C FC \mathbb{R}) Specifications

Features

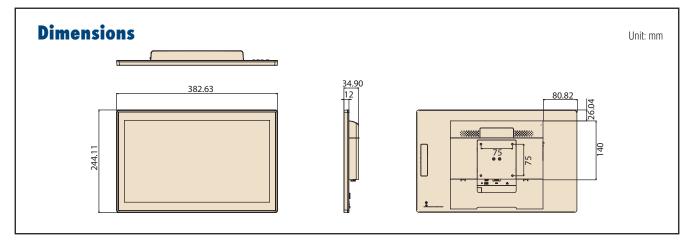
- Equipped with DeviceOn/iService software for remote device management
- 15.6" TFT display with LED backlight
- Flat bezel-less panel with PCAP touch
- Reserved side hatch for optional peripherals
- Embedded RFID/NFC reader, Barcode scanner and camera (optional)
- Supports VESA (75 x 75 mm) and wall mounting
- IP65-rated front panel
- Supports Power over Ethernet
- 12 ~ 36V wide input range

		USC-160AP-BX1XX	USC-160AP-BX2XX
System	CPU	Rockchip RK3288 quad-core Cortex™-A17 (up to	Rockchip RK3399 dual-core Cortex™-A72 (up to
		1.8 GHz)	1.8 GHz)/quad-core Cortex™-A53 (up to 1.4 GHz)
Graphics	GPU Canacity	Mali-T764 2 GB onboard (4 GB optional)	Mali-T860
Manager	Capacity		
Memory	Flash	16 GB onboard eMMC (32 GB optional)	
	Extension	Micro SD	
	Display Size	15.6" widescreen (16:9) TFT color LCD	
	Touchscreen	Projected capacitive touch panel (PCAP flat glass)	
	Max. Resolution	HD: 1366 x 768 FHD: 1920 x 1080	
Display	Viewing Angle	HD: Horizontal: ± 45°; Vertical: 20° and 40° FHD: Horizontal: ±85° or 170° total; Vertical: ±85° or 17	'0° tota
	Luminance	HD: 250 cd/m ² FHD: 400 cd/m ²	
	Contrast Ratio	HD: 500:1 FHD: 1000:1	
	HDMI	1	
	LAN	1 x 10/100/1000 Mbps (supports PoE)	
	Serial Port	1 x (RS-232/485 via jumper), up to 2 (1 x for RS-232 on	ly)
	USB Port	2 x USB 2.0 (up to 4)	2 x USB 3.0 (up to 4: 2 x USB 2.0 and 2 x USB 3.0)
I/O	Audio Out	1	
	Mic In	1	
	DC Input	1 x Power jack (12 ~ 36V)	
	Micro SD	1	
	SIM Card	1	
	Speaker	2W	
Other	Mount Options	VESA mount 75 x 75 mm (2.95 x 2.95 in)	
Utiti	Hatch	Right/bottom hatch auxiliary mounting for optional mode	ules
	Adapter	12V/36W	
	RFID/NFC (Embedded)	1443A/B, 15693, Filcon	
	Barcode Scanner(Embedded)	1D/2D Code reorganization	
Optional Peripherals	Camera (Embedded)	2MP camera module without LED	
optional i onpriorato		Wi-Fi: 802.11ac/a/b/g/n	
	Wi-Fi/Bluetooth	BT: 4.2	
ID Datia a	Exact Decal	Wi-Fi/BT combo module	
IP Rating	Front Panel	IP65 0 ~ 40 °C/32 ~ 104 °F	
Environmental	Operating Temperature		
	Humidity	10 ~ 95% @ 40 °C/104 °F (non-condensing)	
Machanical Creatifications	Color	Black or white	
Mechanical Specifications	Dimensions (W x D x H)	382.63 x 244.11 x 34.9 mm/15.06 x 9.6 x 1.37 ln	
Certifications	Weight EMI/Safety	3.5 kg /7.7 lb FCC, CE, CCC, BSMI, VCCI, UL, CB	
Operating System	LIVII/ Jdlely	Android 8.1, Android 10, Linux	Android 8.1, Android 10, Android 12, Linux
Operating System		Anululu 0.1, Anululu 10, Linux	Anarola 6.1, Anarola 10, Anarola 12, Eillux

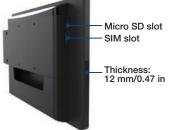
Specifications Cont.

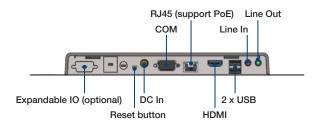
	Operating System	Android 8, 10, 12
	Common Controls (Reboot, Shutdown)	\checkmark
	Remote desktop	√(VNC)
	Device-Specific Controls (Audio, Backlight)	\checkmark
	Connection Status	\checkmark
	Hardware Status	\checkmark
DeviceOn/iService Remote Device Management	Batch Operation Support	\checkmark
nemole Device Management	OTA Storage Management	Local blob
	OTA Software Updates	\checkmark
	Software Watchlist	\checkmark
	Software Start/Stop	\checkmark
	Kiosk Mode	\checkmark
	Peripherals Watchlist	\checkmark

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



I/O Layout





Ordering Information

For Worldwide Model

PN	Description
USC-160AP-BC106	15.6" 16:9 RK3288 2G ram/16G eMMC, HD, Android10, PoE, no wifi
USC-160AP-BC116	15.6" 16:9 RK3288 2G ram/16G eMMC, FHD, Android10, PoE, no wifi
USC-160AP-BC216	15.6" 16:9 RK3399 2G ram/16G eMMC, FHD, Android10, PoE, no wifi
USC-160BP-BD011	15.6" 16:9 RK3399 2G ram/16G eMMC, FHD, Android12, PoE, no wifi

For EU Only Model

PN	Description
USC-160AP-BC111	15.6" 16:9 RK3288 2G ram/16G eMMC, FHD, Android 10, WIFI, PoE

Peripheral

Part Number	Description
USC-P03-B200	MSR via USB for USC-MX/1XX
UPOS-P07-A100	UTC VESA stand (75x75), double hinge, black, for horizontal installations
USC-A-STAND-1	Avalo stand for primary display, black
USC-A-STAND-2	Avalo tube for secondary display, black
USC-P05-B110	2D barcode scanner
ARES-12240-AR01100	Wall Mount, support 2~10kg, 75/100mm
ARES-12250-L101000	Wall Mount, max. support 25kg, 75/100mm

Accessories

F

	Part Number	Description
	96CB-POWER-B-1.8MB	RW0.75, CCC, black/3L, 180 cm
	1700001524	Power cable 3P, UL, 10A, 125V, 180 cm (US, TW)
	170203183C	Power cable 3P, 10A, 250V, 183 cm (EU)
Power Cable	1700018553	Power cable 3P, SAA, 2.5A, 250V, 183 cm (Australia)
	1700025113-11	Power cable, ISI, 3P, 2.5A, 250V, 180 cm (India)
	1700018409	Power cable, KCC, 2P, 2.5A, 250V, 183 cm (Korea, Russia)
	170203180A	Power cable, BSI, 3P, 2.5A, 250V, 183 cm (UK)
	1700008921	Power cable, PSE, 3P, 7A, 125V, 180 cm (Japan)

Last updated: 6-Jul-2023

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

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

Remote Access

