USC-130

11.6" RISC-Based All-in-One Ultra-Slim **Computer**



Features

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

Specifications



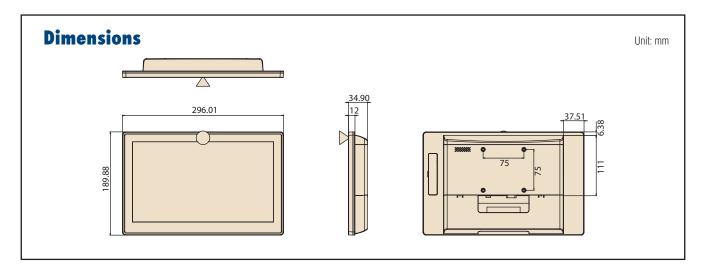


		USC-130AP-BX1XX	USC-130AP-BX2XX
System	CPU	Rockchip RK3288 quad-core Cortex™-A17 (up to 1.8 GHz)	Rockchip RK3399 dual-core Cortex™-A72 (up to 1.8 GHz)/quad-core Cortex™-A53 (up to 1.4 GHz)
Graphics	GPU	Mali-T764	Mali-T860
атартноо	Capacity	2 GB onboard (4 GB optional)	Wall 1000
Memory	Flash	16 GB onboard eMMC (32 GB optional)	
···oiiioi y	Extension	Micro SD	
	Display Size	11.6" widescreen (16:9) TFT color LCD	
	Touchscreen	Projected capacitive touch panel (PCAP flat glass)	
	Max. Resolution	HD: 1366 x 768 FHD: 1920 x 1080 (optional by project)	
Display	Viewing Angle	HD: Horizontal: ± 45°; Vertical: 20° and 40° FHD: Horizontal: ±85° or 170° total; Vertical: ±85° o	r 170° total (optional by project)
	Luminance	HD: 250 cd/m ² FHD: 350 cd/m ² (optional by project)	
	Contrast Ratio	HD: 500:1 FHD: 1000:1 (optional by project)	
	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	
	USB	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
1/0	Audio Out	1	
	Mic In	1	
	DC Input	1 x Power jack (12 ~ 36V)	
	Micro SD	1	
	SIM Card	<u> </u>	<u> </u>
	Speaker	2W	
Other	Mount Options	VESA mount (75 x 75 mm/2.95 x 2.95 in)	
5 1101	Hatch	Right/bottom hatch auxiliary mounting for optional m	nodules
	Adapter	12V/36W	
	RFID/NFC (Embedded)	1443A/B, 15693, Filcon	
0 11 1 1 1	Camera (Embedded)	2MP camera module without LED	
Optional Peripherals	M. E. (D)	Wi-Fi: 802.11ac/a/b/g/n	
	Wi-Fi/Bluetooth	BT: 4.2	
ID Dating	Front Panel	Wi-Fi/ BT combo module IP65	
IP Rating	Operating Temperature	0 ~ 40 °C /32 ~ 104 °F	
Environmental			
	Humidity Color	10 ~ 95% @ 40 °C/104 °F (non-condensing) Black or white	
Machanical			
Mechanical	Dimensions (W x D x H)	296 x 189 x 34.9 mm/11.6 x 7.44 x 1.37 in	
Cartification	Weight FML & Cofety	2 kg/4.4 lb FCC, CE, CCC, BSMI, VCCI, UL, CB	
Certification	EMI & Safety		
Operating System		Android 8.1,Android 10, Linux	

Specifications Cont.

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



I/O Layout



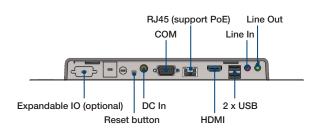
Ordering Information

For Worldwide Model

PN	Description
USC-130AP-BC106	11.6" 16:9 RK3288 2G ram/16G eMMC,HD, Android 10, PoE,no wifi
USC-130AP-BC206	11.6" 16:9 RK3399 2G ram/16G eMMC, HD, Android 10, PoE, no wifi

For EU Only Model

PN	Description
USC-130AP-BC201	11.6" 16:9 RK3399 2G ram/16G eMMC, HD, Android 10, WIFL PoF



Peripherals

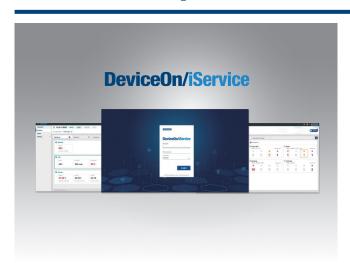
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	Part Number	Description
	USC-P03-B200	MSR via USB for USC-MX/1XX
	USC-P05-B110	2D barcode scanner
	UPOS-P07-A100	Stand, double hinge, VESA 75x75, black
	ASK-MNT-NMBLA10AC0	Wall Mount,75/100mm,max. support 20kg
	ASK-MNT-NMBLA10A00	Wall Mount 75x75mm.max. support 20kg

Accessories

Part Number		Description
	96CB-POWER-B-1.8MB	RW 0.75, CCC, black/3L, 180 cm
	1700001524	Power cable, UL, 3P, 10A, 125V, 180 cm (US, TW)
	170203183C	Power cable 3P, 10A, 250V, 183 cm (EU)
Power Cable	1700018553	Power cable, SAA, 3P, 2.5A, 250V, 183 cm (Australia)
FUWEI GADIE	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)

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

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



Remote Access

- Real-Time Monitoring

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

Operational Efficiency



OTA updates

- System/software updates
- File repository management
- App store



Software & Peripherals

- Software monitoring & access
- Screens, USB devices, printers



Remote Controls

- Power controls
- Audio, backlight controls
- Software controls



Batch Controls

- 1-to-many batch reboot, etc.
- Time-saving tasks



Open for Expansion

- Peripheral integration
- Open APIs for integration



Troubleshooting

- Screenshots
- Remote desktop support



Setup Booster

- Software/peripheral watchlist
- Roles, rule templates

Note: Some functions may vary according to the product

System Architecture

