USC-115RC

ARM Based Android Enterprise AIO Touch Computer

Features

- GMS Certification (Google EDLA CERTIFIED)
- Better TCO with Rockchip ARM64 Processor
- 15.6" FHD LCD (LED backlight) with PCAP Touch
- Modularized Peripheral Designed (RFID, Barcode, camera, LED light)
- Embedded in NFC module (option)
- Easy, quick installation for 2nd display
- Integrate multifunction via USB-C (video, USB, OTG, etc.)
- VESA 100 mm standard mounting holes for varied mounting demands

Introduction

USC-115RC is the latest 15.6" ARM Based GMS Android POS addition to Advantech's USC product family and Avalo solution offerings. Powered by Rockchip RK3576 ARM® Quad-core Cortex-A72 + Quad-core Cortex- A53 processor that be with the most competitive cost, and energy effective platform built for retail and hospitality. USC-115RC computers feature an ultra-slim form factor to ensure easy installation in diverse environments.

USC-115RC can be equipped with an optional secondary display for broadcasting product promotions and increasing consumer engagement. Overall, USC-115RC computers provide flexible point-of-service (POS) computing solutions that enable retailers and service staff to optimize operations and improve customer service.

Specifications

Model		USC-115RC (VESA)	USC-115RC (Stand)
Processor		Rockchip RK3576 (ARM® Quad-core Cortex-A72 @ 2.2GHz + Quad-core Cortex- A53 @ 1.8GH)	
	Chipset	SoC	
	NPU	Integrated NPU with 6 TOPS	
Graphics	GPU	ARM Mali-G52	
Memory		LPDDR4 4 GB onboard (8G optional)	
Storage		Onboard eMMC 5.1: 64 GB	
LCD Display	Size/Type	15.6" FHD	
	Max. Resolution	1920 x 1080	
	Max. Color	16.7M	
	Pixel Pitch (um)	179(H) x 179(V)	
	Brightness (cd/m²)	350 (500 as option)	
	View Angle	170°/170°	
Touch Screen	Type	Projected Capacitive	
	Light Transmission	> 85%	
	Controller	USB Interface	
I/O - Front	Video	USB-C x1 @1920*1080 HDMI2.1 x1	
	Audio	Audio-Out + MIC-In, Combo Audio Jack x1	
	USB	USB 3.1 Gen1 Type A(Blue) x2 USB-C (Supports DP 1920*1080 video output, 5V/3A, PD2.0, USB 3.1 Gen1 data transfer, OTG (USB2.0)) x1	
	LAN	RJ45 x1 (1 x 10/100/1000 Mbps)	
	Cash Draw	RJ12 (12V) x1	
	Power Jack	DC 12V/60W x1	
	Button (Rear)	Power Button & LED x1	
I/O - Side & Top	Expansion	Micro SD Card Slot x1 for additional storage (Internal)	
	Button	Upgrade Button x1	
	USB	2x USB 2.0 (right, left)	
	GPIO	1x GPIO (top)	
I/O - Stand	USB	-	USB 2.0 x3
	COM	-	UART for RS-232 x2 (422/485 optional by jumper)

Specifications (Cont.)

Other	Speaker	2x 2W
	Hatch	4 sides hatch auxiliary mounting for optional modules (up, bottom, right, left with USB interface)
	Wi-Fi/Bluetooth	IEEE 802.11 b/g/n/ac/ax Wi-Fi compliant + Bluetooth 5.2 (on-board)
	Built-in module (optional)	NFC module Support ISO/IEC 14443A, ISO/IEC 14443B PICC
Operating System		Android 14 GMS, Android 14 NON-GMS
Environment Specification	Operating temperature	0 ~ 40 °C (32 ~ 104 °F)
	Relative Humidity	10 ~ 95% @ 40 °C non-condensing
Dimensions (W x D x H)	VESA	382.4 x 231.8 x 35.8 mm
	Stand	382.4 x 210 x 325.8 mm
Certifications	EMC	CE, FCC, CCC
	Safety	UL, CB, CCC
DeviceOn/iService Remote Device Management	Remote Download system and 3rd party app log	✓
	Common Controls (Reboot, Shutdown)	✓
	Remote Desktop (VNC TLS)	✓
	Audio/Brightness Controls	✓
	Connection Status	✓
	Hardware & Storage Monitoring	✓
	Power & Battery Monitoring	✓
	OTA Android OS Upgrade	✓
	OTA Script Execute	✓
	OTA Software Update	✓
	Application Install/Uninstall Policy Control	✓
	Device Auto Locked Based on Network status	✓
	Peripherals Watchlist	✓

Dimensions

Stand Version

Unit: mm

Dimensions

VESA Version

Unit: mm

177.5
161
110
86
382.4
29.5
35.8
16.8
231.8

I/O Interface (VESA)
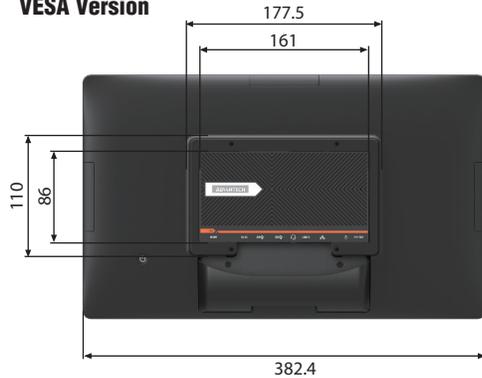
Audio-out+ MIC-in   DC Jack
RJ12 (12V)   RJ45
HDMI
USB 3.1
USB-C
DC IN:20V
Power out: 5V/3A
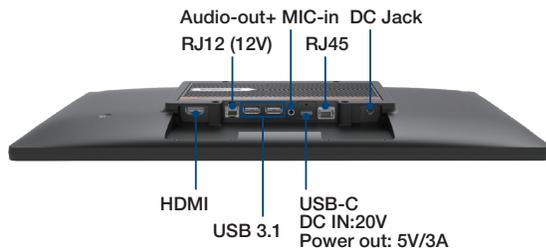
Extension IO (Stand)

3 x USB2.0
2 x COM (RS232)

Ordering Information

P/N	Description
USC-115RCP-BEGV0	15.6", RK3576, 4GRAM, 64G eMMc, FHD350nits, Android14 GMS, VESA, black
USC-115RCP-BEGS0	15.6", 16:9 RK3576, 4G RAM, 64G eMMC, FHD 350nits, Android 14 GMS, Black, 2COM3USB, Stand

Optional Accessories

Product	P/N	Description	Interface
Peripheral	USC-P03-B400	5M Camera for USC-115RC	USB
	USC-P03-B401	RFID Scanner for USC-115RC	USB
	USC-P03-B402	LED LIGHT BAR for USC-115RC	GPIO
	USC-P03-B403	MSR module for USC-115RC	USB
	USC-P05-B400	2D Barcode scanner for USC-115RC IO side	USB
	USC-P05-B401	2D Barcode scanner for USC-115RC L&R side	USB
Customer Display	USC-M10G-BTC05	10.1" monitor, glass, blk, rear hinge, USBC, USC-115RC	USB-C
	USC-M10P-BTC05	10.1" monitor, PCAP, black, rear hinge, USBC, USC-115RC	USB-C
	USC-M10P-BTC10	10.1" monitor,PCAP,NFC,blk,rear hinge,USBC,USC-115RC	USB-C
	USC-M15WP-BST16	15.6" monitor, PCAP, USBC, HDMI, stand, blk, USC-115RC	USB-C
	USC-M15WP-BST17	15.6" monitor,PCAP,NFC,USBC,HDMI,stand,USC-115RC	USB-C
Stand	USC-P07B-SH01	Single hinge stand for USC-115RC, 2screws, black	Y cable for IO extention

USC-115RC (VESA) Packing List

- 1 unit USC-115RC Computer
- 1 pcs DC12V/60W Power Adapter

USC-115RC (Stand) Packing List

- 1 unit USC-115RC computer
- 1pcs Stand Base
- 1pcs 60W Adapter

Product	P/N	Usage	Description
Power Cord	1700001524	1	3P UL 10A 125V 180cm (American)
	170203183C	1	3P EU (WS-010+083) 183CM (European)
	1700018553	1	Power Cord SAA 3P 2.5A 250V 183cm (Australia)
	1700025113-11	1	Power Cord ISI 3P 2.5A 250V 180cm (India)
	1700018409	1	Power Cord KCC 2P 2.5A 250V 183cm (Korea,Russia)
	1700024849-01	1	Power Cord BSMI 3P 2.5A 125V 180cm (Taiwan)
	170203180A-01	1	Power Cord ASTA 3P 2.5A 250V 183cm
	1700008921	1	3P 1.8M PSE 7A 125V (Japan)
	1700019146	1	Power Cord CCC 3P 2.5A 250V 183cm
USB-C Input (optional)	96PSA-A65WPDUC	1	ADP A/D 100-240V 65W 5/9/15/20 PD USB-C

Remark:
1. Due to the volatility of memory prices and frequent price fluctuations, our prices will be adjusted according to market prices.
2. The price is only valid in 2 weeks, please check again before PO get.

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