Ei-A300

ARM-based 4K Digital Signage Player for independent dual displays

NEW

powered by
WISE-DeviceOn

Features

- Power by Rockchip RK3399 SOC (Dual-core Cortex-A72 + Quad-core Cortex-A53)
- LP-DDR3 2G plus 16G eMMC on board
- Dual HDMI outputs (4K 60fps + 1080P)
- Compact design ideal for space-limited installation
- Low power, fanless & cable-less design for easy maintenance
- Expandable via M.2 and micro SD card
- Advantech WISE-DeviceOn support
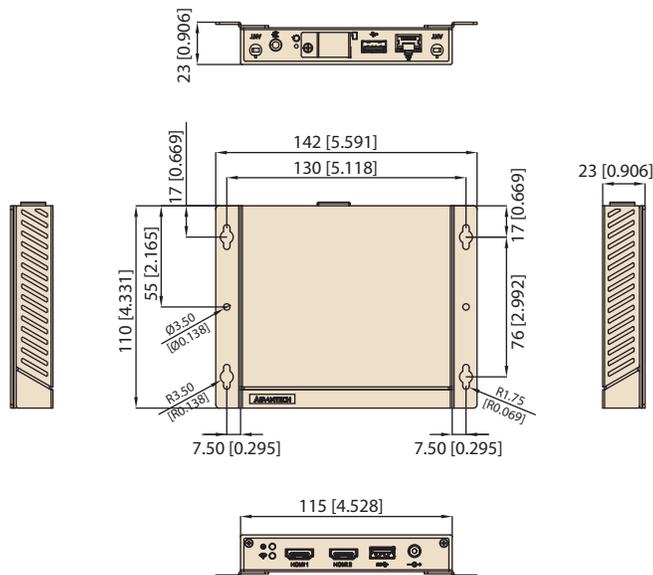- Supports Android 7.1

Rockchip

Introducton

Ei-A300 is an ultra-compact signage player in the smallest possible palm size for optimized graphics experience. It's powered by the latest ARM dual-core Cortex-A72 and quad-core Cortex-A53 processor, low power but not giving in to performance. It's on the cutting edge in terms of the display capability among Android signage players to enable dual HDMI outputs, maximum resolution up to UHD 4K 60Hz + FHD 1080P. Ei-A300 simplifies deployment, maintenance, and management of remote devices. Design with 4K graphics, as well as connectivity and manageability, Ei-A300 is your ideal digital signage player for retail, QSR application in the IoT era.
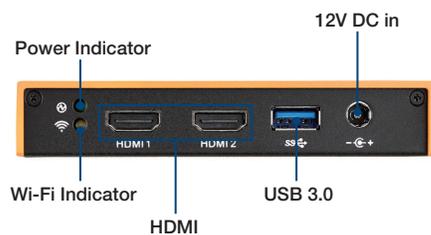
Specifications

		Ei-A300
Processor	Processor	Dual-core ARM Cortex-A72 processor + Quad-core ARM Cortex-A53 processor
Memory	Technology	LPDDR3-1600
	Capacity	2GB on-board
Storage	Flash	16GB eMMC onboard
	Extension	Micro SD
Graphics	GPU	Quad-core ARM Mali-T860MP4
	Graphics Engine	OpenGL ES1.1/2.0/3.0, OpenCL1.2, DirectX11.1
	Output	HDMI x 2
	H/W Video Codec	Decoder: MPEG-1, MPEG-2, MPEG-4, H.263, H.264, H.265, VC-1, VP9, VP8, MVC, MMU Embedded Encoder: H.264 (up to HP@level5.1), MVC, VP8, MMU Embedded
	Resolution	HDMI 1: 3840 x 2160 @ 60Hz HDMI 2: 1920 x 1080 @ 60Hz
Ethernet	Interface	Gigabit LAN Controller
I/O	Audio	1
	LAN	1
	HDMI	2
	USB 3.0	1
	USB 2.0	1
	Reset	1
	LED Indicators	1 x Power, 1 x Wireless
Expansion	M.2 2230	1
	Micro SD Card	1
Power Requirement	Input Voltage	12V DC-in (AT mode)
Watchdog Timer	Watchdog timer	Yes
Physical Characteristics	Mounting	Wall/VESA
	Dimensions (W x D x H)	115 x 110 x 20 mm
	Weight	0.43kg
Environment	Operating Temperature	0~ 45 °C (32 ~ 113 °F)
	Relative Humidity	95% @ 40 °C (non-condensing), operating
	Storage Temperature	-20 ~ 70 °C
	Relative Humidity	5 ~ 80% (non-condensing)
Operating System	Android	7.1.2
Certifications	EMC	CE,FCC Class B,CCC,BSMI
	Safety	UL,CB,CCC,BSMI (No RED certification)

Dimensions

Unit: mm [inch]

23 [0.906]

142 [5.591]
130 [5.118]
17 [0.669]
17 [0.669]
23 [0.906]
110 [4.331]
55 [2.165]
76 [2.992]
Ø3.50 [Ø0.138]
R3.50 [R0.138]
R1.75 [R0.069]
7.50 [0.295]
7.50 [0.295]
115 [4.528]

HDMI1 HDMI2

Front View

Power Indicator
12V DC in
Wi-Fi Indicator
HDMI1 HDMI2
USB 3.0
HDMI

Rear View

USB 2.0
Audio
LAN
Micro SD card
Reset
ANT
ANT
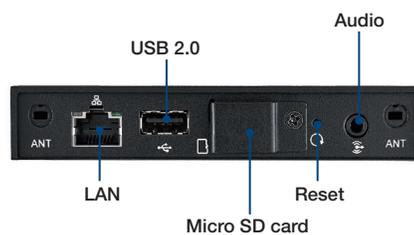
Ordering Information

Part Number	Description
Ei-A300-S8A1	Ei-A300, RK3399, 2G DDR3, 16G eMMC, Android 7.1.2

Packing List

Part Number	Description
-	1 x Ei-A300
-	1 x 12V Power Adapter
-	2 x Wall Mount Brackets
-	4 x Rubber Feet with screws
-	1 x User Quick Guide

Power Cord

Part Number	Description
1700001524	3-pin power cord (US)
170203183C	3-pin power cord (EU)
170203180A	3-pin power cord (UK)
1700008921	3-pin power cord with PSE (Japan)
1700019146	3-pin power cord (CCC)

Optional Accessory

Part Number	Description
EWM-W188M201E	M.2 2230 type 2T2R WiFi 802.11a/b/g/n/ac+BT 4.2 combo module (Realtek RTL8822BE)