

ARK-DS303

Value Digital Signage Player



Features

- Intel® Atom™ processor N270 1.6 GHz and System Controller Hub 945GSE
- Supports HD up to 720P; optional support up to 1080P with add-on HD decoding module
- Dual display of HDMI and VGA
- Built-in Mini PCIe slot for easy expansion e.g. WiFi
- Supports 4 x USB 2.0 (Internal 2 x USB 2.0), 1 x COM
- Supports VESA mounting

Tested by the following software partners:

signagelive
... delivering media to your screens

Introduction

ARK-DS303, which runs on an Intel® Atom™ N270 1.6 GHz processor featuring low power and high value, is quick and responsive. Integrated with a hardware decoder, ARK-DS303 is able to provide real-time, full HD output with performance that exceeds expectations. It is a power-efficient, multimedia signage player at the most affordable price available in today's market.

Specifications

Processor System	CPU	Intel Atom N270 1.6GHz
	System Chipset	Intel 945GSE + ICH7M
	L2 Cache	512 KB
	BIOS	Award 4 MB Flash BIOS
	Front Side Bus	533 MHz
Memory	Technology	1 x DDR2 200 pin 400/533 SO-DIMM
	Max. Capacity	Max. up to 2 GB
Graphics	Chipset	Intel 945GSE chipset
	Memory Size	Shared system memory up to 224MB
	Resolution (Chipset support)	CRT Up to 2048 x 1536, HDMI up to 1080P(Max Resolution)
	Output	HDMI x 1, VGA x 1 (ARK-DS303L supports VGA only)
	Dual display	Yes
Storage	Video format	H.264, VC1, MPEG2, DivX version 3.11 and later, MPEG4 Part 2 SP & ASP *depends on support SPEC of player
	SATA	One 2.5" SATA HDD
	CF	CompactFlash socket for type I/II
Ethernet	Interface	Gigabit LAN Controller
	Controller	Realtek RTL8111D
	Connector	1 x RJ-45
IO Interface	HDMI	1 (N/A on ARK-DS303L)
	VGA	1
	LAN	1 (RJ-45)
	USB	4 (USB 2.0 compliant)
	Audio	2 audio phone jacks for Line-out, Mic-in (ARK-DS303L supports Line-out only)
	Serial	1 x COM (RS-232)
	Mini-PCIe (Internal)	1 (Occupied by HD decoder module on ARK-303P; N/A on ARK-DS303L)
	Power input	1 x 12V DC-in
Power Requirement	Management	ACPI 2.0
	Power Consumption Input Voltage	Typical: 8 W (CPU is Intel Atom Processor N270 1.6 GHz and w/o expansion) Max.: 11 W (CPU is Intel Atom Processor N270 1.6 GHz and w/o expansion)
	Input Voltage	12V DC-in (ATX/AT mode)
	Other	Supports Boot on Power back and schedule boot up function
	Output	Interrupt, system reset
Watchdog Timer	Interval	255-level timer interval, setup by software
	Mounting	Easy mounting kits for LCD or Plasma
Physical Characteristics	Dimensions (W x H x D)	185x 118.2x 43 mm
	Weight	1.2 kg
Environment	Temperature	0 ~ 40° C (32 ~ 104° F), operating: -20 ~ 70° C (-4 ~ 158° F), storage
	Relative Humidity	95% @ 40° C (non-condensing), Operating (For ARK-DS303B/ ARK-DS303F)
	Vibration Resistance	0.5Gms, IEC 60068-2-64, Random 5-500Hz, 1hr/axis
Software Development Kit	Operating System	Win7, Win7 Embedded, XP with SP3, XP Embedded, Linux
	EWf & WDT SDK	EWf and WDT library for signage stability design in XPE
Certification	EMC	CE/FCC Class A, CCC, BSMI
	Safety	UL, CB, CCC, BSMI

* The playback is supported by the software not provided by Advantech

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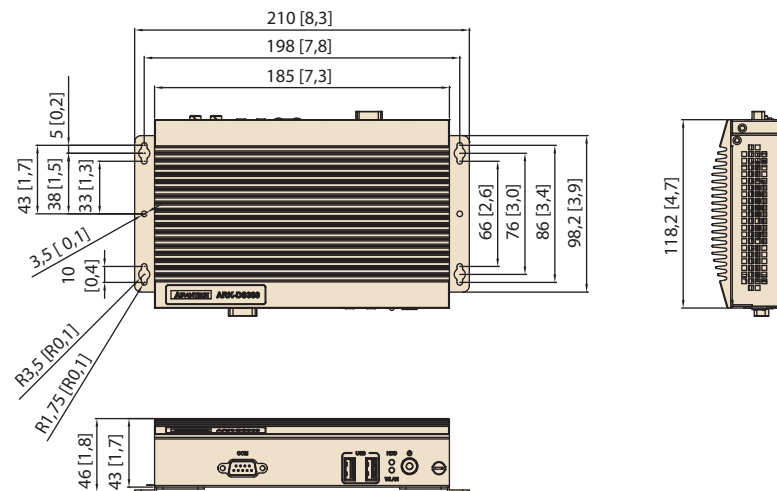
Embedded Signage Box

All product specifications are subject to change without notice

Last updated : 29-Oct-2014

Dimensions

Unit: mm (inch)



Packing List

Part Number	Description
-	1 x ARK-DS303 Unit
-	1 x Driver/Utility CD/Manual
-	1 x User Manual (Simplified Chinese)
-	1 x 12V power adapter
-	1 x China RoHS
-	1 x Mounting plate set

Installation Illustration



ARK-DS303 with standard mounting bracket

Ordering Information

Part Number	Description
ARK-DS303B-S6A2E	ARK-DS303, N270, Barebone
ARK-DS303F-S6A2E	ARK-DS303, N270 w/ 500G HDD, 1G RAM
ARK-DS303P-S6A2E	ARK-DS303, N270 w/ 500G HDD, 1G RAM, HD decoder (1080P)
ARK-DS303L-S6A2E	ARK-DS303L, N270 w/16G(MLC) CF card, 2G RAM, XPE (24 languages)

Embedded S/W

Part Number	Description
2070011378	XPE WES2009 ARK-DS303 V4.1 Multi 24
2070012062	Win7 Embedded (WES7E) ARK-DS303 V5.1.5 (EN/TC/SC/JP)

Accessories

Part Number	Description
AMO-WIFI06E	WIFI 802.11 b/g/n Mini-PCIE Module (including Antenna & Cable)
AMO-HSDPA02E	3.75G HSPA Full-size Mini PCIe Module (including Antenna & Cable)
AMK-V001E	VESA mount kit
AMK-V002E	VESA mount kit for ARM

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)