

# ARK-DS303

Value Digital Signage Platform

**NEW**



## 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



CE FCC

## Specifications

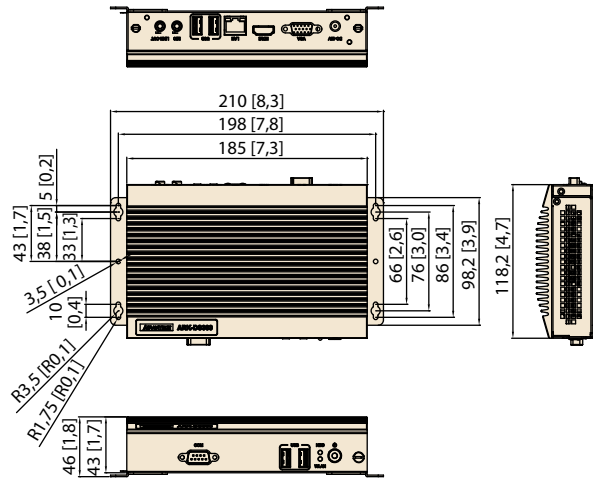
Processor System	CPU	Intel ATOM N270 1.6 GHz
	Chipset	Intel 945GSE + ICH7M
	L2 Cache	512K
	BIOS	AWARD 4 M-bit BIOS
	Front Side Bus	533 MHz
Memory	Technology	1 x SO-DIMM DDR2 400/533 MHz
	Max. Capacity	default 1 GB (single channel), maximal as 2 GB
	Socket	200 pin SO-DIMM
Graphics	Chipset	Intel® 945GSE chipset
	Memory Size	Shared system memory up to 224 MB
	Resolution	Max resolution 2048 x 1536 @ 75Hz
Storage	SATA	160 GB 2.5" HDD
	CF	CompactFlash socket for type I/II
Ethernet	Interface	Gigabit LAN Controller
	Controller	Realtek 8111D
	Connector	1 x RJ-45
IO Interface	HDMI	1
	VGA	1 (D-sub 15-pin)
	LAN	1 (RJ-45)
	USB	4 (USB 2.0 compliant, 480 Mbps; internal reserve 2 x USB 2.0)
	Audio	Line out (1 jack) Mic in (1 jack) & Line in internal pin header
	Serial	1 x COM (RS-232. D-sub 9 pin) and 1 x GPIO (D-sub 15 pin))
	Mini-PCIe (Internal)	1
	PSW	External power switch interface
Power Requirement	Management	ACPI 2.0
	Power Consumption Input	TBD
	Voltage	12V DC-in (ATX/AT mode)
	Others	Supports Boot on Power back and schedule boot up function
Watchdog Timer	Output	Interrupt, system reset
	Interval	Programmable 1 ~ 255sec.
Physical Characteristics	Mounting	Easy mounting kits for LCD or Plasma
	Dimensions (W x H x D)	165 x 130 x 41 mm
	Weight	1.2 kg
Environment	Temperature	0 ~ 40° C, operating -20 ~ 70° C, storage
	Relative Humidity	95% @ 40° C (non-condensing), Operating
	Vibration Resistance	0.5Grms, IEC 60068-2-64, Random, 5-500Hz, 1hr/axis
Software Development Kit	Operating System	Supports Microsoft Windows 7, XP with SP3, XP Embedded
	EWf & WDT SDK	EWf and WDT library for signage stability design in XPE
	Linux	Linux Fedora 9.0
Certification	Electromagnetic	CE, FCC
	Safety	UL, CB, CCC, BSMI

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

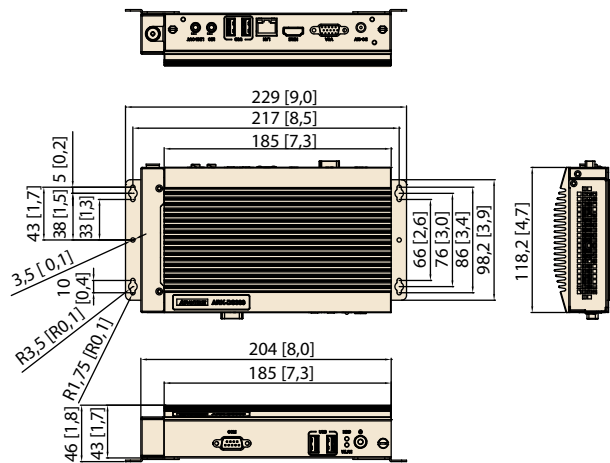
## Dimensions

Unit: mm

### Standard Module



### With Add-on TV tuner Module



## Ordering Information

Part Number	Description
ARK-DS303B-S6A1E	Atom N270, DS system w/ VGA, HDMI, AUDIO, 4 USB, COM, GPIO (Barebone)
ARK-DS303F-S6A1E	Atom N270, DS system w/ 160G HDD, 1 GRAM, VGA, HDMI, AUDIO, 4 USB, COM, GPIO
ARK-DS303P-S6A1E	Atom N270, DS system w/ 1080P, 160G HDD, 1 GRAM, VGA, HDMI, AUDIO, 4 USB, COM, GPIO