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Find the *Advantech ARK-5260-D5A1E* at our website: ***Click HERE***

ARK-5260

Intel® Atom™ D510 Fanless Embedded Box PC with Dual PCI/PCIe Expansion and Dual Mobile HDDs



Features

- Sealed construction with fanless operation, supports Intel® Atom® D510 up to 1.66 GHz
- Supports 2 Giga LAN and 5 USB 2.0 ports
- Supports 4 RS-232/422/485 with Auto-flow control
- Built-in 1 x PCIe, and 2 x PCI expansion slots
- Rubber anti-vibration card-holder for PC expansion boards
- Supports wide power range of 12~ 24V DC input
- Supports SUSIAccess and Embedded Software APIs
- IP40

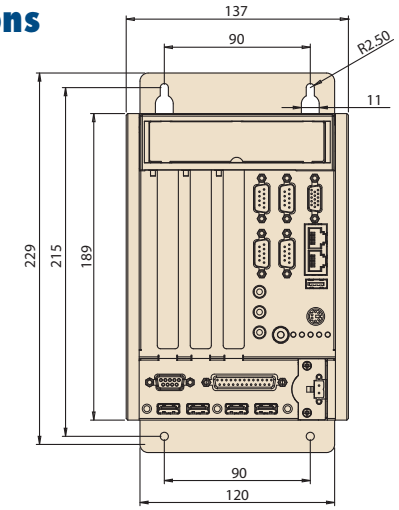
Specifications

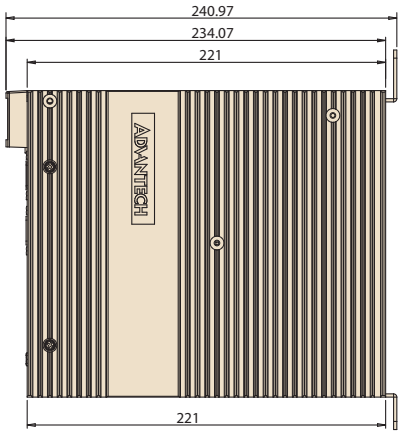
Processor System	CPU	Intel Atom D510
	Max. Speed	1.66 GHz
	System Chipset	Intel ICH8-M
	BIOS	AMI 16 Mbit SPI BIOS
Memory	Technology	Single channel DDR2 667 MHz
	Max. Capacity	2 GB
	Socket	1 x 200-pin SO-DIMM
Graphics	Chipset	Embedded Gen3.5+ GFX Core technology, Direct X 9/Pixel Shader 2.0 compliant
	VRAM	Shared 224 MB
	Interface	VGA: up to 2048 x 1536
Ethernet	LAN1	10/100/1000 Mbps GigaLAN Controller, Intel 82567V, supports Wake on LAN
	LAN2	10/100/1000 Mbps GigaLAN Controller, Intel 82583V, supports Wake on LAN
Audio	Interface	Line-in, Line-out, Mic-in
IO Interface	Serial Ports	4 x RS-232/422/485 port, support Auto-flow control
	USB Interface	5 x USB ports, USB 2.0 compliant
	Keyboard/Mouse	1 x PS/2 port, supports PS/2 mouse and keyboard
	Parallel Port	Supports D-sub 25-pin connector
	Digital I/O	Supports 8-bit digital IO
Other	Watchdog timer	255-level timer interval, setup by software
	COM LED	4 COM LED lighting
Storage	HDD	Supports two drive bays space for SATA 2.5" HDD (9.5 mm height only)
	SSD	Supports one internal CompactFlash socket for type I/II CompactFlash disk
Expansion	PCI/PCIe Slot	2 PCI Slot, and 1 PCIe x1 Slot Supports maximum 15W power for expansion Supports maximum dimension of 99 mm (width) x 186 mm (length) for expansion PC board
Software Support	Microsoft Windows	Windows 7, XP Embedded, WinCE 6.0
Power Requirement	Power Type	ATX
	Power Input Voltage	12 V_{DC} ~ 24 V_{DC}
	Minimum Power Input	12 V @ 5 A ~ 24 V @ 2.5 A
	Power Adapter	AC-to-DC, 65 W DC19 V/3.4 A
Power Consumption	Typical	20 W (with Intel Atom D510 1.66 GHz and w/o expansion)
	Max.	23 W (with Intel Atom D510 1.66 GHz and w/o expansion)
Mechanical	Construction	Aluminum housing
	Mounting	Desk/wall-mounting
	Dimensions (W x H x D)	137 x 189 x 221 mm (5.39" x 7.44" x 8.70")
	Weight	4.2 kg (9.24 lbs)
Environment	Operating Temperature	With extended temperature peripherals 2.5-inch HDD without PC expansion Boards: 0 ~ 45° C with 0.7m/sec air flow With extended temperature peripherals CompactFlash disk without PC expansion Boards: 0 ~ 55° C with 0.7m/sec air flow
	Storage Temperature	- 40 ~ 85° C (-40 ~185° F)
	Relative Humidity	95% @ 40° C (non-condensing)
	Vibration Loading During Operation	With 2.5-inch HDD: 1 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 Oct./min, 1 hr/axis With CompactFlash disk: 5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 Oct./min, 1 hr/axis
	Shock During Operation	With 2.5-inch HDD: 20 G, IEC 60068-2-27, half sine, 11 ms duration With CompactFlash disk only: 50 G, IEC 60068-2-27, half sine, 11 ms duration
	EMC	CE/FCC, CCC, BSMI
	Safety Certifications	CCC, BSMI

All product specifications are subject to change without notice

Last updated : 20-Jun-2012

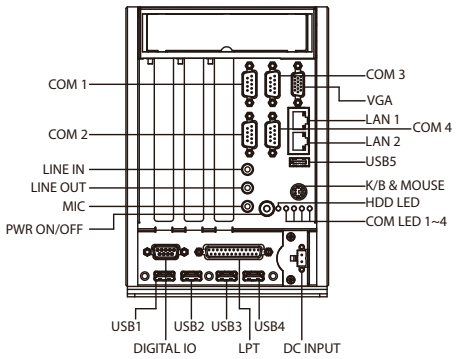
Dimensions



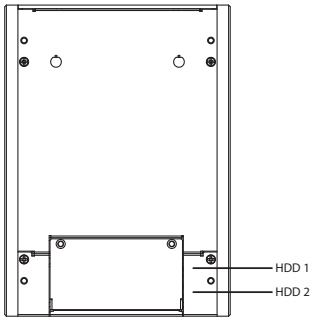


Unit: mm (inch)

Front Panel External I/O Mechanical Layout/Drawing



Rear Panel External I/O Mechanical Layout/Drawing



Packing List

Part Number	Description
-	1 x ARK-5260 Unit
-	1 x Driver/Utility CD/Manual
-	1 x User Manual (Simplified Chinese)
1960049826N001	1 x Mounting bracket upper
1960049827N001	1 x Mounting bracket lower
1990000505	3 x Shock proof rubber

Optional Items

Part Number	Description
1757003659	AC-to-DC Adapter, DC19 V/3.42A 65 W, with phoenix power plug
1700001947	Power cable 2-pin 180 cm, USA for ARK-338X
1700001948	Power cable 2-pin 180 cm, Europe for ARK-338X
1700001949	Power cable 2-pin 180 cm, UK for ARK-338X
1757000537	AC-to-DC Adapter 4-Pin DC 19V/6.32A, 120 W

Ordering Information

Part Number	Description
ARK-5260F-D5A1E	Intel Atom D510 1.66GHz with 2-pin phoenix connector, VGA, 2x GbE, 5 x USB ports, 4 x COM ports, audio, 2xPCI and PCIe expansion slots
ARK-5260A-D5A1E	Intel Atom D510 1.66GHz with M12 4-pin connector, VGA, 2x GbE, 5 x USB ports, 4 x COM ports, audio, 2xPCI and PCIe expansion slots

Embedded OS

Part Number	Description
2070010215	Windows XP Embedded WES2009 for ARK-5260, English version (610 MB)
2070010216	Windows XP Embedded WES2009 for ARK-5260, 24-in-1 languages version (610 MB)
2070010257	WinCE 6.0 Pro ARK-5260 V1.3 ENG (customized BIOS required)

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