

# ARK-5261

## Intel® Celeron® Processor J1900 Fanless Embedded BOX PC with PCI/PCIe Expansion and Dual Mobile HDDs/SSDs



### Features

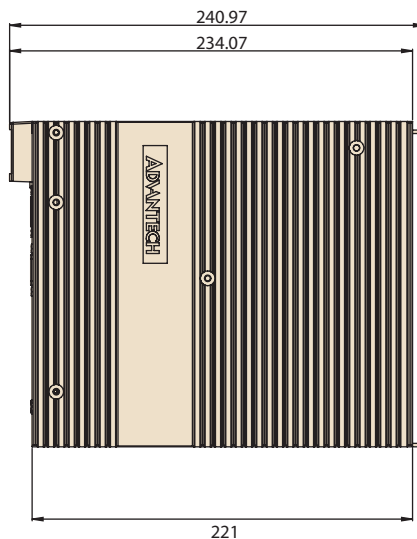
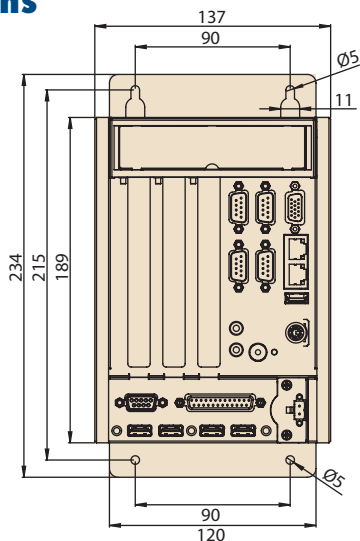
- Sealed construction with fanless operation, supports Intel® Celeron® Processor J1900 up to 2.41 GHz
- Supports 2 Giga LAN and 1 USB 3.0 + 5 USB 2.0
- Support 4 RS-232/422/485 with Auto-flow control and COM 1 & 2 port with 5V/12V power
- Built-in 1 x PCIe, and 2 x PCI expansion slots
- Support 4 RS-422/485 Isolation module type
- Rubber anti-vibration card-holder for PC expansion boards
- Supports wide power range of 9 ~ 30V DC input
- Support wide range operating Temperature of -10 ~ 60° C
- Supports SUSIAccess and Embedded Software APIs



### Specifications

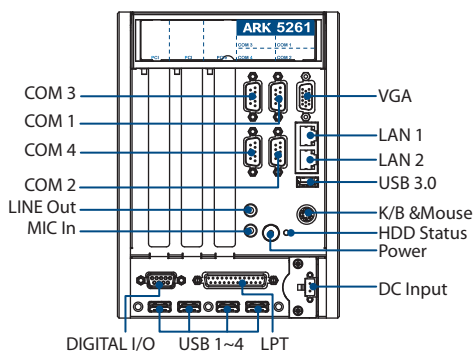
Processor System	CPU	Intel® Celeron® Processor J1900 2.0GHz		
	Max. Speed	2.41 GHz		
	BIOS	AMI 16 Mbit SPI BIOS		
Memory	Technology	Dual Channel DDR3L-1333 (Low power 1.35V)		
	Max. Capacity	Build-in 4GB memory, up to 8GB		
	Socket	2x 204-pin SO-DIMM		
Graphics	Chipset	Chipset integrated Intel HD Graphic		
	VRAM	Shared System Memory up to 224 MB SDRAM		
	Interface	VGA: 2560 x 1600 @ 60Hz		
Ethernet	LAN1	10/100/1000 Mbps GigaLAN Controller, Intel I211, supports Wake on LAN		
	LAN2	10/100/1000 Mbps GigaLAN Controller, Intel I211, supports Wake on LAN		
Audio	Interface	Line-Out, Mic-in		
IO Interface	Serial Ports	Standard Type: 4x RS-232/422/485, COM 1 & COM 2 with 5V/12V power, support Auto-flow control (ARK-5261S-J0A1E) Isolation type: 4x RS-422/485 ports; ESD Protection: 15Kv, Surge production: 2Kv, Electrical Isolation: 2Kv (ARK-5261S-J0A1E)		
	USB Interface	1 x USB 3.0, 4 x USB 2.0, 1 internal type A USB 2.0		
	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 (DB9 Connector)		
Other	Watchdog timer	255-level timer interval, setup by software		
Storage	HDD/SSD	Supports two drive bays space for SATA HDD/SSD 2.5 (9.5mm height only)		
	mSATA	Support one mSATA storage and shard with SATA 2		
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 7/8.1, Win7/8.1 Embedded, Linux Fedora 19		
Power Requirement	Power Type	ATX / AT		
	Power Input Voltage	9 ~ 30 V <sub>DC</sub>		
	Minimum Power Input	9V @ 6.6A ~ 30V @ 2A		
Power Consumption	Power Adapter	AC-to-DC, 65 W DC19 V/3.4 A		
	Idle	9.9 W (with Intel® Celeron® Processor J1900 2.0GHz and with Memory & SATA HDD)		
Max.	12.9 W (with Intel® Celeron® Processor J1900 2.0GHz and with Memory & SATA HDD)			
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	Temperature	Operating (With Industry SSD)	Operating (With HDD)	Non-operating
		-20 ~ 60° C with 0.7m/sec air flow (with 2 x Industrial SSD without PC expansion boards)	0 ~ 40° C with 0.7m/sec air flow (with 1 x 2.5" HDD or mSATA without PC expansion boards)	- 40 ~ 85° C (-40 ~185° F)
	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 SSD disk: 5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 Oct./min, 1 hr/axis		
	EMC	CE/FCC, CCC, BSMI		
	Safety Certifications	CCC, BSMI		

### Dimensions

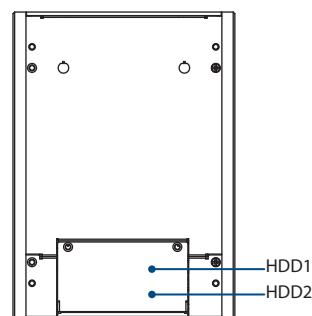


Unit: mm

### Front Panel External I/O Mechanical Layout/Drawing



### Rear Panel External I/O Mechanical Layout/Drawing



### Packing List

Part Number	Description
-	1x ARK-5261 Unit
2061526100	1 x Driver/Utility CD/Manual
2001526110	Startup Manual (English/Simple 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
1700021831-01	DP to DVI-D cable w/BKT
PCA-TPM-00A1E	TPM Module
96PSA-A120W24T2	ADP A/D 100-240V 120W 24V

### Ordering Information

Part Number	Description
ARK-5261S-J0A1E (Standard Module)	Intel Celeron J1900 2.41GHz with build-in 4GB memory, VGA, 2xGbE, 6xUSB ports, 4xCOM ports, audio, PCIe1 & 2xPCI, 9 ~ 30 V <sub>DC</sub> power with 2pin Phoenix connector
ARK-5261I-J0A1E (Isolation Module)	Intel Celeron J1900 2.41GHz with build-in 4GB memory, VGA, 2xGbE, 6xUSB ports, 4x Isolation COM ports, audio, PCIe1 & 2xPCI, 9 ~ 30 V <sub>DC</sub> power with 2pin Phoenix connector

### Embedded OS

Part Number	Description
2070013108	img WE8S ARK-5261 x64 V6.5.2 10MUI;SAP
2070013109	img WES7P ARK-5261 x64 V5.6.6 10MUI ;SAP