

ARK-5261VS

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 or 3 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 -20 ~ 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-JOA1E) Isolation type: 4x RS-422/485 ports; ESD Protection: 15Kv, Surge production: 2Kv, Electrical Isolation: 2Kv (ARK-5261I-JOA1E)		
	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	32G		
Expansion	PCI/PCIe Slot	2 PCI Slot, and 1 PCIe Slot (ARK-5261S-JOA1E & ARK-5261I-JOA1E)		
		3 PCI Slot, and 1 Mini-PCIe Socket (Full Size) (ARK-5261P-JOA1E)		
		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 Type	ATX / AT		
	Power Input Voltage	9 ~ 30 V _{DC}		
	Minimum Power Input	9V @ 6.6A ~ 30V @ 2A		
Power Requirement	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		

WebAccess+IVS Function Description

Function	Specification	Description
Monitoring	Status display	<ul style="list-style-type: none"> Displays status and lists events of system login/logout, lost video, cameras status, web and remote connection, storage space, backup, sensors, and DO status
	e-Map	<ul style="list-style-type: none"> e-map layout shows the locations of video cameras, sensors and alarm devices, allowing you to control them and link actions to the surveillance system simultaneously; also provides a free tool for e-map editing
	Event log displaying	<ul style="list-style-type: none"> Real time display for event listings and automatic refresh of video events in ViewLog
	Screen Split	<ul style="list-style-type: none"> Full screen, 1, 4, 9, 10,13, 16 Sequencer, (Able to change time interval)
	Camera layout	<ul style="list-style-type: none"> Assign name and adjustable font to each camera
	Quality adjustment	<ul style="list-style-type: none"> Adjustable color control of Hue, Contrast, Brightness, and Saturation for preview, record and playback.
Recording	Resolutions	<ul style="list-style-type: none"> Selectable recording resolutions (Depends on the capture card and IP camera selected)
	Compression format	<ul style="list-style-type: none"> H.264
	Recording modes	<ul style="list-style-type: none"> Cyclic Recording, Non-Cyclic recording, Event Triggered Recording, and Scheduled Recording
	Recording Quality	<ul style="list-style-type: none"> Adjustable recording quality
	Recording Frame	<ul style="list-style-type: none"> Adjustable recording frames of each camera and event
	Pre & Post Alarm Recording	<ul style="list-style-type: none"> Adjust pre-alarm and post-alarm recording time (Pre-alarm recording: 10 seconds, post-alarm recording: 100 seconds)
	Record file length	<ul style="list-style-type: none"> Adjustable file length for record searching segment
Search & Playback	Playback Speed	<ul style="list-style-type: none"> Single frame, 1/16x, 1/8x, 1/4x, 1/2x, 1x, 2x, 4x, 8x,16x, fast forward and rewind
	Playback Mode	<ul style="list-style-type: none"> Can show up to 4 cameras' playback images simultaneously
	Search Mode	<ul style="list-style-type: none"> Allows image searching by date, time, camera, and event. Calendar and time segment for day and time search. Selectable event time, event type, and camera IDs for event search
	Smart Search	<ul style="list-style-type: none"> Able to search archives for incidents. Smart search list
	Image Transfer	<ul style="list-style-type: none"> Able to save image as BMP, JPG and AVI format. Selectable day and time for video saving or using bookmark time record list directly.
	Bookmark	<ul style="list-style-type: none"> Stores many bookmarks to facilitate searching.
Data Storage	Recording Time	<ul style="list-style-type: none"> Recording length varies depending on recording quality, resolution, mode and activity Auto continuous recording-- oldest recorded data will automatically be overwritten when hard drive is full
	Backup	<ul style="list-style-type: none"> Local: HDD/CD-RW/DVD-RW selectable/External USB HDD/CD-RW/DVD-RW Backup mode: Auto (schedulable) and Manual to backup video file
	Storage Path	<ul style="list-style-type: none"> Adjust each storage path of each camera and reserve size. Setup each storage path to automatically delete the oldest file records
Alarm Notification	Event Action Plan	<ul style="list-style-type: none"> Flexible, multiple event action plan. Able to define multiple actions taken for event source. Event source: motion detected, sensor triggered, video signal breaks, login failed, system abnormal and backup disk full etc. Event action: DO output, PTZ Control, e-mail sending, SMS notify, video file record, snapshots, phone/mobiles notification, warning sounds, video group play and specific program execute etc.
	E-mail and Phone notification	<ul style="list-style-type: none"> E-mail notification with attached recording file or snapshot image of any event triggered E-mail and phone notification on multi event source. (with voice modem option)
	PTZ Activation	<ul style="list-style-type: none"> Supports alarm setup with PTZ preset location.
	Sensor and DO	<ul style="list-style-type: none"> Adjustable sensor, DO layout, schedulable
Network Control	IE Remote Control	<ul style="list-style-type: none"> View live video, event list, PTZ control, and do remote recording, remote playback, remote setting, e-map function and remote snapshot through IE browser Supports 1, 4, 9, 10,13, 16 screen split
Operation	User Authority	<ul style="list-style-type: none"> Multi-level password protection and unlimited user accounts for logins and passwords.
	Authority setting	<ul style="list-style-type: none"> Allows authority settings of each user to each camera (local and remote monitor, playback, PTZ control, DO and e-map control, network connecting user numbers, with time limits, print and save function, control, etc.)
	PTZ Control	<ul style="list-style-type: none"> Embedded PTZ control panel: Pan & Tilt, zoom control and preset function. Supports most popular PTZ protocol
	Dynamic IP support	<ul style="list-style-type: none"> Built-in Web server. Supports dynamic IP.
	Language	<ul style="list-style-type: none"> English, Traditional Chinese, Simplified Chinese
	Others	<ul style="list-style-type: none"> Windows lockup Auto DVR login Auto reboot

Plus Package Benefits

WebAccess+IVS SDK
available for 3rd party CMS or AP software integration



WebAccess+IVS
Intelligent Video Analytics (IVA)



Object Counting



People Counting



Camera Tamper



Optical Self Diagnostic



Motion Detection

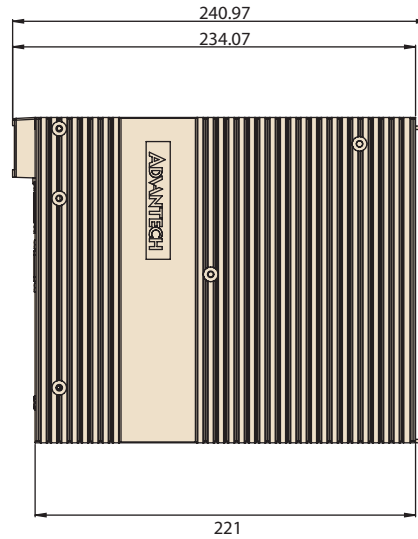
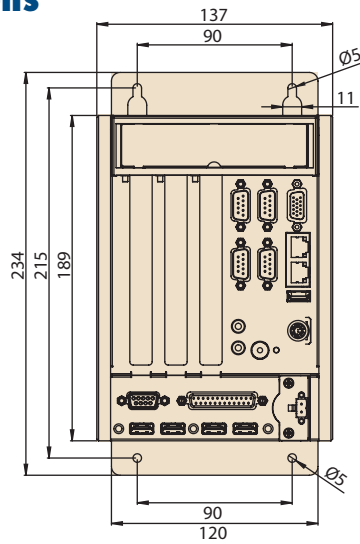


Forbidden Zone



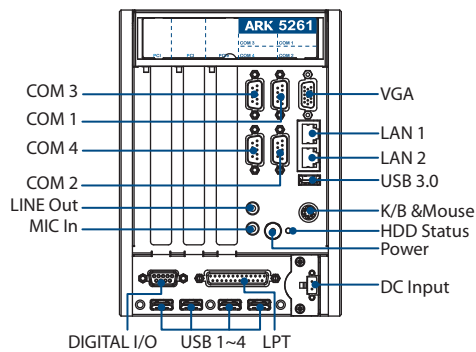
Demographic

Dimensions

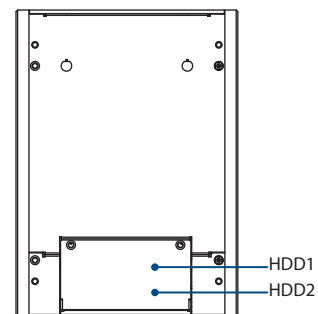


Unit: mm

Front Panel External I/O Mechanical Layout/Drawing



Rear Panel External I/O Mechanical Layout/Drawing



Packing List

Part Number	Description
-	1x ARK-5261VS 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

Embedded OS

Description
Windows 7 embedded 64bit

Ordering Information

Part Number	Description
ARK-5261VS-J201E	Intel Celeron J1900 2.41GHz with build-in 4GB memory, 32G mSATA, VGA, 2xGbE, 6xUSB ports, 4xCOM ports, audio, PCIe1 & 2xPCI, 9 ~ 30 VDC power with 2pin Phoenix connector