

# ARK-1360

## Intel® Atom™ Z510P/ Z530P Embedded IPC with Mini PCIe Expansion Slot



### Features

- Fanless, ultra compact embedded box IPC
- Built-in Intel® Atom™ processor Z510P 1.1 GHz/ Z530P 1.6 GHz
- Ultra low power Consumption solution
- One Mini PCIe socket expansion for wireless application
- 1 x 10/100/1000 Mbps Ethernet Ports, 4 x USB 2.0, 2 x COM
- Ultra compact size, VESA mounted, robust construction with fanless operation
- IP40 Rated

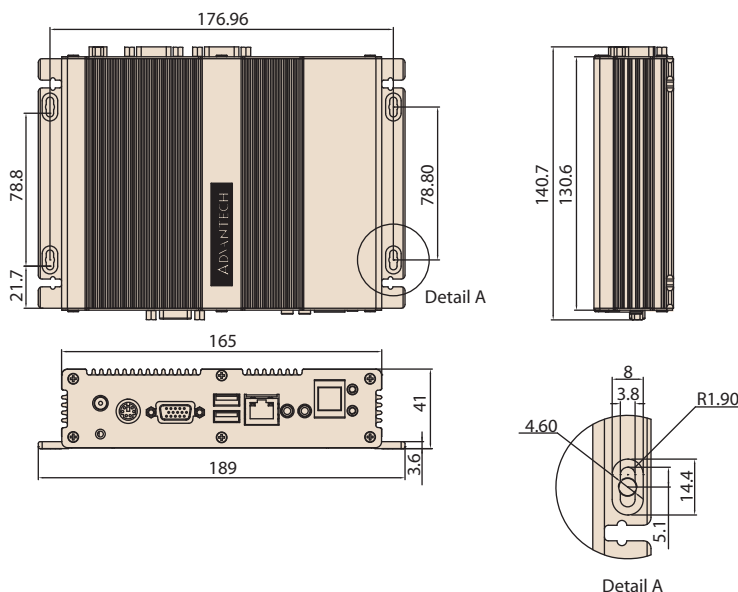


### Specifications

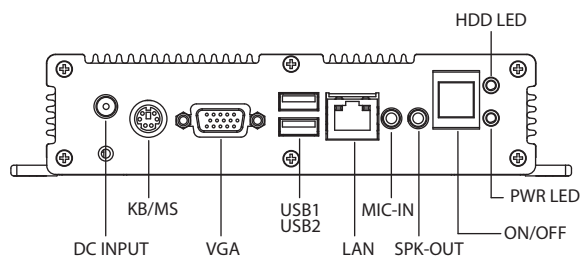
Processor System	CPU	Intel Atom processor Z510P 1.1 GHz/ Z530P 1.6 GHz
	Max. Speed	1.1 GHz/1.6 GHz
	Front Side Bus	400/533 MHz FSB
	System Chipset	Intel System Controller Hub US15WP
	BIOS	Award 8 MB Flash BIOS
Memory	Technology	DDR2 400/533 MHz
	Max. Capacity	2 GB
	Socket	1 x 200-pin SODIMM
Graphics	Chipset	Intel System Controller Hub US15WP
	Interfaces	CRT Interfaces Single 18/24-bit LVDS Interfaces (optional)
Ethernet	LAN	10/100/1000 Mbps Ethernet controller
	Interfaces	Line-out, Mic-in
I/O Interfaces	Serial Ports	2 x RS-232
	USB Interfaces	4 x USB ports, USB 2.0 compliant
	Keyboard/Mouse	1 x PS/2 port, Supports PS/2 Mouse and Keyboard
Other	Watchdog timer	255-level timer interval, setup by software
Expansion	Mini PCIe	1 x Mini PCIe
Storage	HDD	N/A
	SSD	Supports CompactFlash socket for type I/II CompactFlash disk
Software Support	Microsoft Windows	XP Professional, XP Embedded, CE 6.0
Power Requirements	Power Type	ATX
	Power Input Voltage	12 V <sub>DC</sub> ~ 24 V <sub>DC</sub>
	Minimum Power Input	12 V @ 1.5 A --- 24 V @ 0.75 A
	Power Adaptor	AC to DC, DC12 V/3 A, 36 W
Power Consumption	Typical	8W
	Max	11W
Mechanical	Construction	Aluminum housing
	Mounting	DIN-rail mounting; Desk/wall-mounting; VESA mounting
	Dimensions (W x H x D)	189 x 41 x 130.6 mm (7.44" x 1.61" x 5.14")
	Weight	1.15 kg (2.53 lb)
Environment	Operating Temperature	0 ~ 55° C (32 ~ 131° F)
	Storage Temperature	-40 ~ 85° C (-40 ~ 185° F)
	Relative Humidity	95% @ 40° C (non-condensing)
	Vibration During Operation	With CompactFlash disk: 5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 Oct./min, 1hr/axis
	Shock During Operation	With CompactFlash disk: 50 Grms, IEC 60068-2-27, half sine, 11 ms duration
	EMC	CE/FCC Class A, CCC
Safety Certifications	UL, CCC	

## Dimensions

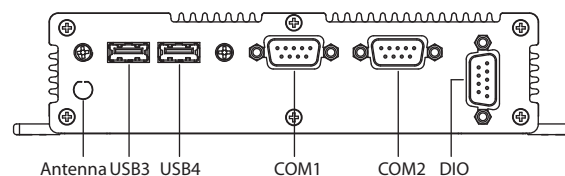
Unit: mm (inch)



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



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



## Packing List

Part Number	Description
-	1 x ARK-1360 unit
-	1 x Driver/Utility CD/Manual
-	1 x Traditional Chinese user manual for CCC
-	1 x China RoHS

## Ordering Information

Part Number	Description
ARK-1360F-S1A1E	Intel Atom Z510 1.1 GHz w/ Mini PCIe, 8-bit DIO
ARK-1360F-S6A1E	Intel Atom Z530 1.6 GHz w/ Mini PCIe, 8-bit DIO

## Optional Items

Part Number	Description
1757003553	AC-to-DC Adapter DC12 V/3 A 36 W, with DC-Jack, 0 ~ 40° C for Home and Office Use
1700001524	Power Cable 3-pin 180 cm, USA type
170203183C	Power Cable 3-pin 180 cm, Europe Type
170203180A	Power Cable 3-pin 180 cm, UK Type
1700008921	Power Cable 3-pin PSE Mark 180cm
9666K10000E	DIN-rail Mounting Kit
1960025333N00N	VESA Mounting plate
1700060202	PS2 Keyboard/Mouse Cable

## Embedded OS

Part Number	Description
2070009506	ARK-1360 XPE , English, Chinese-Traditional, Chinese-Simplified, Japanese
2070009505	ARK-1360 XPE , English, French, German, Italian, Spanish