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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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ARK-2120L

Intel® Atom™ Dual Core N2600/D2550 with Multiple I/Os Fanless Box PC

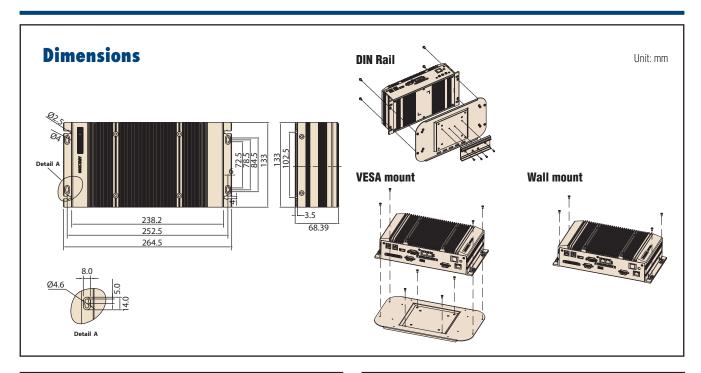


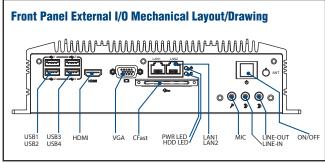
Features

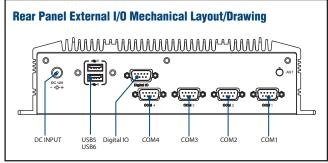
- Intel® Atom™ Dual Core N2600 1.6 GHz/D2550 1.86 GHz, DDR3 memory supports up to 4 GB
- VGA and HDMI dual independent display, supports DirectX 9
- Mini PCle expansion with SIM holder for communication module, i.e. HSDPA, WLAN
- Supports up to 2 Intel GbE, 6 x USB 2.0 and 4 x COMs ports
- Supports external CFast socket and 1 x 2.5" SATA HDD Bay
- Lockable DC jack design
- Supports iManager, SUSIAccess and Embedded Software APIs

Windows Embedded WISE-PaaS/RMM IManager Computer Windows Embedded Specifications

-		ARK-2120L-S6A1E	ARK-2120L-S8A1E					
	CPU	Intel Atom N2600	Intel Atom D2550					
Processor System	Frequency	1.6 GHz (Dual Core)	1.86 GHz (Dual Core)					
	L2 Cache	1 MB	1MB					
	System Chipset	Intel Atom N2600/D2550 + Intel NM10						
	BIOS	AMI EFI 16Mbit						
	Technology	DDR3 1066 MHz (D2550), DDR3 800 M	Hz (N2600)					
Memory	Max. Capacity	4 GB						
,	Socket	1 x 204-pin SO-DIMM						
	Chipset	Intel Atom N2600/D2550						
Graphics	Graphic Engine	DirectX 9 and OpenGL3.0 support Hardware decode H/W acceleration: MPI H/W Decode/Acceleration: H.264/VC1/V	EG2 VMV9					
	VGA	Up to 1920 x 1200						
	HDMI	Supports 1920 x 1200, Max data rate: up to 1.65 Gb/s, Supports HDMI v1.3 Up to 1080p support						
	Dual Display	Yes, VGA + HDMI						
thornot	LAN1	10/100/1000 Mbps Intel 82583V GbE, s						
thernet	LAN2	10/100/1000 Mbps Intel 82583V GbE, support Wake On Lan						
Nudio	Interface	Realtek ALC892, High Definition Audio.						
) lataria a	Serial Ports	3 x RS-232 ports, 1 x RS-232/422/485 p	port with auto flow control					
IO Interface	USB Interface	6 x USB ports, USB 2.0 Compliant						
Nilo a a	Digital IO	8-bits						
Other	Watchdog timer	255 levels timer interval, setup by softwa	are					
xpansion	Mini PCle	1 x full size Mini PCle with SIM holder						
	HDD	Supports one SATA 2.5" HDD Bay (Com	patible with 12.5mm height HDD) (Max. Data Transfer Rate 300 MB/s)					
Storage	SSD	Supports one external CFast socket	,					
oftware Support	Microsoft Windows	Windows 7 32bit, Windows 7 Embedded	32bit (XP Professional & XP Embedded support by project)					
	Power Type	AT/ATX						
Name Dannisament	Power Input Voltage	12 V _{DC} , ± 10%						
ower Requirement	Minimum Power Input	12 V, 1.5 A						
	Power Adapter	AC to DC, DC12 V/3 A, 36 W (Optional)						
D	Typical	8.9 Watt (with Intel Atom D2550 at 1.8 G	Hz)					
ower Consumption	Max.	11 Watt (with Intel Atom D2550 at 1.8 GI	Hz)					
	Construction	Aluminum housing						
Maahaniaal	Mounting	Din-Rail mounting, Desk/wall-mounting	, VESA mounting					
Mechanical	Dimensions (W x H x D)	264.5 x 69.2 x 133.0 mm (10.41" x 2.72	" x 5.24")					
	Weight	2.3 kg (5.07 lb)	,					
	Operating Temperature	With extended temperature peripherals: - With 2.5-inch hard disk 0 ~ 45° C (32 ~	-20 ~ 60° C (-4 ~ 140° F) with 0.7m/s air flow 112° F) with 0.7m/s air flow					
	Storage Temperature	- 40 ~ 85° C (-40 ~ 185° F)						
	Relative Humidity	95% @ 40° C (non-condensing)						
Environment	Vibration During Operation	With SSD: 5 Grms, IEC 60068-2-64, ran	With SSD: 5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis.					
	Shock During Operation	With SSD: 50 G, IEC 60068-2-27, half s						
	EMC	CE/FCC Class A, CCC, BSMI						
	Safety Certifications	UL, CCC, BSMI						







Ordering Information

Part No.	СРИ	VGA	HDMI/ DP	GbE	USB 2.0	RS-232	RS-232/ 422/485	DIO	Audio	Full-size MiniPCle	SIM	CFast	2.5" SATA II HDD Bay	Power Input	Operating Temp.
ARK-2120L-S6A1E	Intel Atom N2600 1.6 GHz	Yes	Yes	2	6	3	1	8-bits	Lin-out, Line-in, MIC	1	1	1	1	DC 12V Lockable DC Jack	-20 ~ 60° C
ARK-2120L-S8A1E	Intel Atom D2550 1.86 GHz	Yes	Yes	2	6	3	1	8-bits	Lin-out, Line-in, MIC	1	1	1	1	DC 12V Lockable DC Jack	-20 ~ 60° C

Note: Memory, storage and operating system bundled by request.

Packing List

Part Number	Description
-	1 x ARK-2120 Unit
-	1 x Utility CD
-	1 x User Manual (Simplified Chinese)
-	1 x China RoHS
1700020143	1 x Cable for RS-422/485 mode of COM2

Embedded OS

Part Number	Description
2070011953	Image WES7E SP1 x32 ENG/GER/JPN/CT

Optional Items

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Part Number	Description
96PSA-A36W12W7	AC-to-DC Adapter, DC 12V/3A 36W, 0 \sim 40 $^{\circ}$ C for Home and Office Use
96PSA-A60W12W6	AC-to-DC Adapter, DC 12V/5A 60W, -20 ~ +70° C
1700001524	Power cable 3-pin 180cm, USA type, for 96PSA-A36W12W7
170203180A	Power cabel 3-pin 180cm, UK type, for 96PSA-A36W12W7
170203183C	Power cable 3-pin 180cm, Europe type for 96PSA-A36W12W7
1702002600	Power cable 3-pin 180cm, USA type, for 96PSA-A60W12W6
1702002605	Power cable 3-pin 180cm, EU type, for 96PSA-A60W12W6
1702031801	Power cable 3-pin 180cm, UK type, for 96PSA-A60W12W6
1700008921	Power cable 3-pin 180cm, PSE for 96PSA-A36W12W7
AMK-V004E	VESA mounting kit
AMK-R004E	DIN-rail mounting kit