

ARK-3360

High Performance Mobile Intel® ATOM N450 Fanless Solution with Dual Display and Multiple I/O

NEW



Features

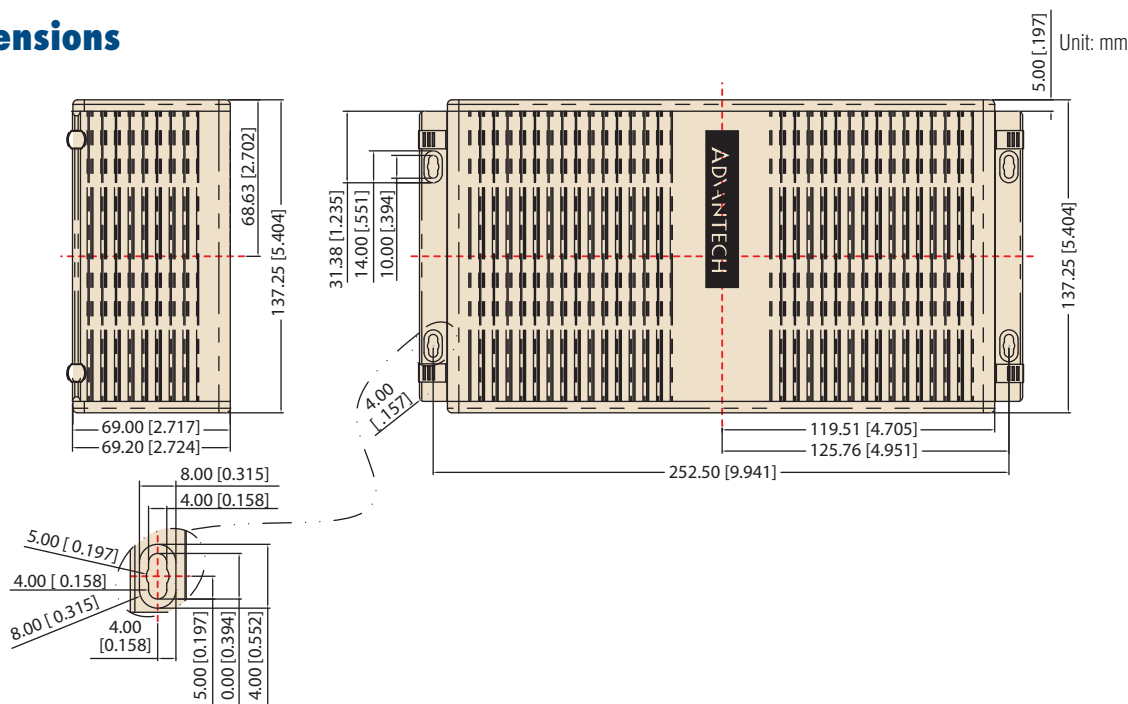
- Fanless, Intel® ATOM N450 1.67GHz Compact Embedded Box IPC
- MiniPCIe/MiniPCI expansion for communication module, i.e. HSDPA, WLAN
- Dual display and support for wide screen with high resolution
- Supports up to 3 x GbE, 6 x USB 2.0 and max to 6 x COMs ports
- Serial port support RS-485 auto flow control and isolation (up to 7.5Kv)
- Easy integration, easy maintenance, and wide input voltage range
- IP40



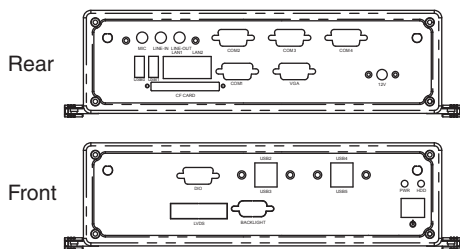
Specifications

		ARK-3360L-S6A1E	ARK-3360F-S6A1E
Processor System	CPU	Intel® ATOM N450	
	Max. speed	1.67 GHz	
	System Chipset	Intel™ Pineview-M + ICH8-M Chipset	
	Front Side Bus	667 MHz	
	BIOS	AMI 16 Mbit	
Memory	Technology	DDR2 667 MHz	
	Max. Capacity	2 GB	
	Socket	1 x 200-pin SODIMM	
Graphics	Chipset	Integrated graphics built in Intel® 3.5 generation	
	Interface	CRT Interface 36-bit LVDS interface(Optional)	
Ethernet	LAN 1	10/100/1000 Mbps Ethernet controller, support Wake On LAN	
	LAN 2	10/100/1000 Mbps Ethernet controller, support Wake On LAN	
	LAN3	-	10/100/1000 Mbps Ethernet controller, support Wake On LAN
Audio	Amplifier	-	
	Interface	Line-in, Line-out, Mic-in	
IO interface	Serial Interface	3 x RS-232 port, 1 x RS-232/422/485 port	1 x RS-232, 3 x RS-232/422/485, 2 x RS-422/485 with 7.5Kv isolation protection & auto flow control
	USB Interface	6 x USB ports, Compliant with USB 2.0	
Others	Digital I/O	8-Bits DIO	
	GPS	-	
	Thermal alarm	-	
	Watchdog timer	255 levels timer interval, setup by software	255 levels timer interval, setup by software
Expansion	MiniPCI	-	1 x MiniPCI
	MiniPCIe	1 x Mini PCIe	1 x MiniPCIe
Storage	HDD	Supports drive bay space for 1 x SATA 2.5" HDD	
	SSD	Supports CompactFlash socket for type I/II CompactFlash disk	
Software support	Microsoft Windows	Vista, XP Professional, XP Embedded	
	Linux	Fedora 9.0	
Power requirement	Power Type	AT/ATX	AT/ATX
	Power Input Voltage	12V	12 V _{DC} ~ 24 V _{DC}
	Minimum Power Input	12V, 1.12A	12V-24V, 3.0A-1.5A
	Power Adapter	AC to DC, DC 12V/3.0A, 36W (Optional)	AC to DC, DC19V/3.42A, 65W(Optional)
Power consumption	Typical	TBD	
	Max.	TBD	
Mechanical	Construction	Aluminum housing	
	Mounting	Desk/wall-mounting	
	Dimensions (W x H x D)	264.5 mm x 69.2 mm x 137.25 mm (10.41" x 2.72" x 5.4")	
	Weight	2 kg (4.4 lb)	
Environment	Operating Temperature	With Industrial Grade CompactFlash disk: 0 ~ 60° C (32 ~ 140°F) With 2.5-inch extended temperature hard disk 0 to 45° C (32 ~ 112° F) , with air flow	
	Storage Temperature	-40 ~ 85° C (-40 ~ 185°F)	
	Relative Humidity	95% @ 40° C (non-condensing)	
	Vibration Loading During Operation	With CompactFlash disk: 5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 Oct./min, 1 hr/axis. With 2.5-inch hard disk: 1 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 Oct./min, 1 hr/axis.	
	Shock During Operation	With CompactFlash disk: 50 G, IEC 60068-2-27, half sine, 11 ms duration With hard disk: 20 G, IEC 60068-2-27, half sine, 11 ms duration	
	EMC	CE/FCC Class A, CCC, BSMI	
	Safety Certifications	UL, FCC, BSMI	

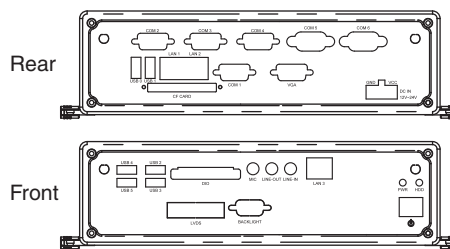
Dimensions



ARK-3360L External I/O Mechanical Layout/Drawing



ARK-3360F External I/O Mechanical Layout/Drawing



Packing List

Part Number	Description
-	1 x ARK-3360 Unit
1700009001	1 x 2-pin Phoenix DC power connector
-	1 x User Manual (Simplified Chinese)
-	1 x Utility CD

Ordering Information

Part Number	Description
ARK-3360F-S6A1E	Intel ATOM N450 1.67 GHz Compact Embedded Box IPC, w/ 3 x GbE, 6 x USB 2.0, 6 x COM, 1x MiniPCIe, 1 x MiniPCI, VGA, DIO, Audio
ARK-3360L-S6A1E	Intel ATOM N450 1.67 GHz Compact Embedded Box IPC, w/ 2 x GbE, 6 x USB 2.0, 4 x COM, 1x MiniPCIe, VGA, DIO, Audio

Optional Items

Part Number	Description
1757000222	AC-to-DC Adapter, DC19 V/3.42 A 65 W, with Phoenix Power Plug, 0 ~ 40° C for Home and Office Use
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
1757002942	Adapter AC 90-264V 36W/12V W/ PFC FSP036-RAB For ARK-3360L
1700008921	POWER CORD 3P/3P POWER SUPPLY 1.8M ARK-5280 PSE
170203180A	Power cable 3P 183 cm UK type for LE-9702B-01 Ad
170203183C	Power CABLE 3P Europe (WS-010+083) 183 cm
1700001524	POWER CABLE 3P/3P POWER SUPPLY 1.8M FPM-306

Mbedded OS

Part Number	Description
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