

ARK-3360F

High Performance Mobile Intel® ATOM N450/D510 Fanless Solution with Dual Display and Multiple I/O

NEW



Features

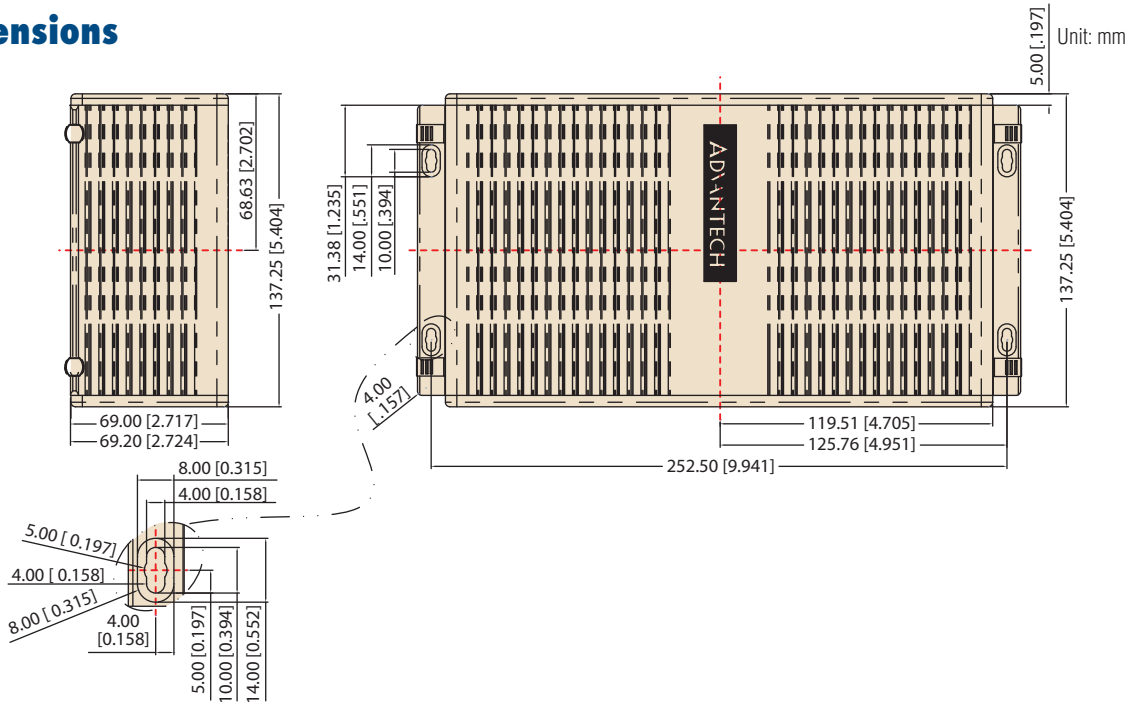
- Fanless, Intel® ATOM N450/D510 1.67 GHz Compact Embedded Box IPC
- MiniPCIe and MiniPCI expansion for communication module, i.e. HSDPA, WLAN
- Dual display and support for wide screen with high resolution
- Supports up to 3 x GbE, 6 x USB 2.0 and 6 x COMs ports
- Serial port support RS-485 auto flow control and isolation (up to 7.5Kv)
- Easy integration, easy maintenance, and wide input voltage range
- IP40



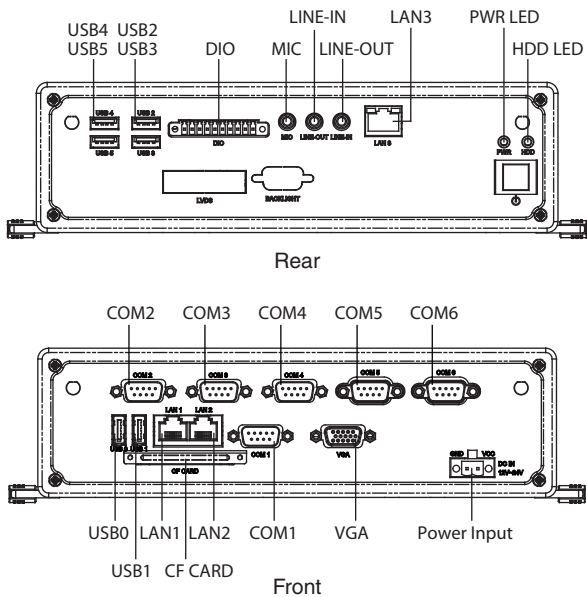
Specifications

ARK-3360F-N4A1E/ARK-3360F-D5A1E		
Processor System	CPU	Intel® ATOM N450/D510
	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 18-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	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
Expansion	MiniPCI	1 x MiniPCI
	MiniPCIe	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
	Power Input Voltage	12 V _{DC} ~ 24 V _{DC}
	Minimum Power Input	12V-24 V, 3.0A-1.5A
	Power Adapter	AC to DC, DC19 V/3.42 A, 65 W(Optional)
Power consumption	Typical	
	Max.	
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: -20 ~ 60° C (32 ~ 140° F) With 2.5-inch 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, CCC, BSMI

Dimensions



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-N4A1E	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-3360F-D5A1E	Intel Atom D510 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

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

Mbedded OS

Part Number	Description
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