

ARK-3360F

Intel® Atom™ N450/D510 with 3 GbE, Isolated COM & wide range power Fanless Box PC



Features

- Intel® Atom™ N450/D510 1.66 GHz Embedded Box PC
- Mini PCIe and Mini PCI expansion for communication module, i.e. HSDPA, WLAN
- Supports 12 ~ 24 V wide range DC input
- Supports up to 3 x GbE, 6 x USB 2.0 and 6 x COMs ports
- Serial ports support RS-485 auto flow control and isolation (up to 7.5Kv)
- Easy integration, easy maintenance, and wide input voltage range
- Supports SUSIAccess and Embedded Software APIs



Specifications

		ARK-3360F-N4A1E	ARK-3360F-D5A1E
Processor System	CPU	Intel Atom N450 (Single Core)	Intel Atom D510 (Dual Core)
	Frequency	1.66GHz	1.66GHz
	L2 Cache	512KB	1MB
	System Chipset	Intel ICH8-M	
	Front Side Bus	667 MHz	
	BIOS	AMI 16 Mbit Flash BIOS	
Memory	Technology	DDR2 667 MHz	
	Max. Capacity	2 GB	
	Socket	1 x 200-pin SO-DIMM	
Graphics	Chipset	Intel 3.5 Gen Integrated Graphic Engine	
	Interface	VGA: N450 up to 1400 x 1050, D510 up to 2048 x 1536 18-bit LVDS interface (Optional)	
Ethernet	LAN 1	10/100/1000 Mbps Intel 82567V GbE, support Wake On LAN	
	LAN 2	10/100/1000 Mbps Intel 82583V GbE, support Wake On LAN	
	LAN 3	10/100/1000 Mbps Intel 82541PI GbE, 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	
Other	Digital I/O	8-bits	
	Watchdog timer	255-level timer interval, setup by software	
Expansion	Mini PCI	1 x Mini PCI	
	Mini PCIe	1 x full-size Mini PCIe	
Storage	HDD	Supports 1 x SATA 2.5" HDD Bay (support 9.5 mm height only)	
	SSD	Supports CompactFlash socket for type I/II CompactFlash disk	
Software Support	Microsoft Windows	Windows 7, XP Professional, XP Embedded, WinCE 6.0	
	Linux	Ubuntu 10.04	
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	12.12 W (with Intel Atom D510 at 1.66 GHz)	
	Max.	14.96 W (with Intel Atom D510 at 1.66 GHz)	
Mechanical	Construction	Aluminum housing	
	Mounting	DIN-rail 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 extended temperature peripherals: -20 ~ 60° C (32 ~ 140° F), with 0.7m/s air flow With 2.5-inch hard disk 0 to 45° C (32 ~ 112° F), with 0.7m/s 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, KC	
	Safety Certifications	UL, CCC, BSMI, KC	

