

ARK-6320-6M01E

**Fanless Mini-ITX
Embedded Computer
System with ATOM Dual
Core Solution**



Features

- Elegant, ultra-compact fanless system
- Built-in Intel® Atom™ Processor D510 1.67 GHz
- Comprehensive I/O of Dual Gigabit Ethernet, 8 USB, 6 COM, 1 VGA, and audio
- Mini-PCIe expansion slot
- Accepts DC12 V input
- Anti-vibration design for 2.5" HDD-bay to ensure maximum reliability
- Built-in mounting bracket support wall-mount and table-mount, optional support of VESA mounting

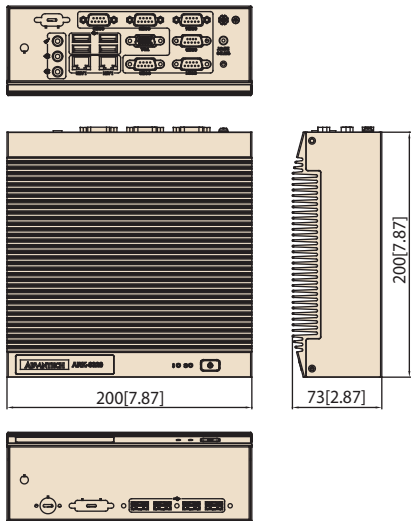


Specifications

Processor System	CPU	Intel Atom Processor D510 1.67 GHz
	L2 Cache	1 MB
	Chipset	ICH8M
	BIOS	AMI 16 Mbit SPI
Memory	Technology	Single Channel DDR2 667MHz
	Max. Capacity	200-pin SODIMM x1 up to 2 GHz
Graphics	Chipset	Embedded Gen3.5+ GFX Core
	Display Memory	Shared system memory up to 224 MB SDRAM
	VGA	Supports up to SXGA 2046 x 1536 @ 60Hz
	LVDS	Single channel 18-bit and up to WXGA 1366 x 768
	Dual Display	VGA, LVDS
Ethernet	Interface	10/100/1000 Mbps
	Controller	GbE LAN1: Intel 82567V; GbE LAN2: Intel 82583V
	Connector	2 x RJ-45 connectors
Watchdog Timer	Output	System reset
	Interval	Programmable 1~255 sec.
Storage Interface	2.5" HDD Bay	1
	Compact Flash	1 x Type 1/II Socket (on the solder side of the motherboard)
	Mini PCIe	1
I/O Interface	USB	8
	Serial	6 (1 of RS-232/422/485, 5 of RS-232)
	Ethernet	2
	Audio	3 (Mic-In, Line-In, Line-Out)
	VGA	1
	Extra I/O cutouts	1 x LVDS, 1 x Inverter, 1 x DIO, 2 x Antenna
	Overheating Protection	System Shut-down when Overheated
Miscellaneous	LED Indicators	3 x LED of Power, HDD and Temperature
	Control	1 x ATX Power On/Off switch button
Software Compatibility	Operating System	Microsoft, Windows XP and Windows XP Embedded, Windows 7
Power Input	Input Voltage	12 V _{DC} @ 6 A ~ 3.75 A (Max.)
	Operating Temp.	0 ~ 50° C (32 ~ 122° F)
Environment	Operating Humidity	10 ~ 85% @ 50° C, non-condensing
	Vibration Loading	1 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 Oct./min, 1 hr/axis
	Altitude	0 to 3,048 m (0 ~ 10,000 ft)
	Duration Vibration	
Physical Characteristics	Dimensions (W x H x D)	200 x 73 x 200 mm (7.9" x 2.9" x 7.9")
	Net Weight	4.14 Kg (8.8 lb)

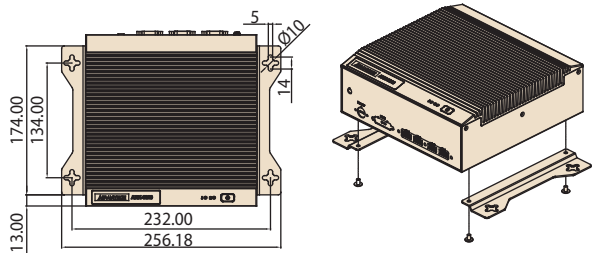
Dimensions

Unit: mm (inch)



Installation

Unit: mm (inch)



System Ordering Information

Part Number	CPU	Memory socket	G-LAN	Display	HDD	USB	COM	Audio
ARK-6320-6M01E	Intel ATOM D510 1.67 GHz	200-pin SODIMM x 1	2	VGA LVDS*	2.5" SATA x 1	8	6	Yes

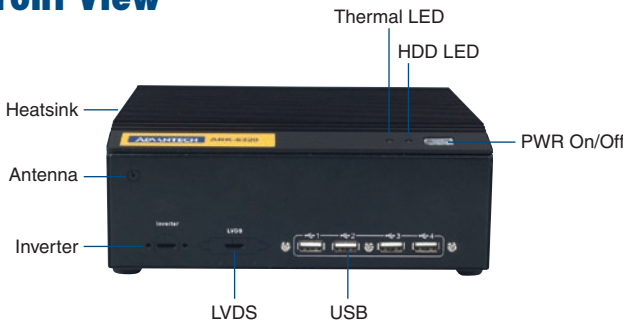
*Note: The function is supported only optional cables are connected

Optional Accessories

External AC-to-DC Adapter and Accessories

Part Number	Description
1757003062	AC-to-DC adapter, DC 12 V/60 W with drum type power plug
989K008732	VESA Mounting Plate for ARK-6620/6310
ARK-WLAN-USBE	ARK-6 series Wireless LAN 802.11 b/g module
1700008946	LVDS cable

Front View



Rear View

