

ARK-6320

Intel® Atom™ D510/D525 Cost-effective Mini-ITX Embedded Systems

NEW

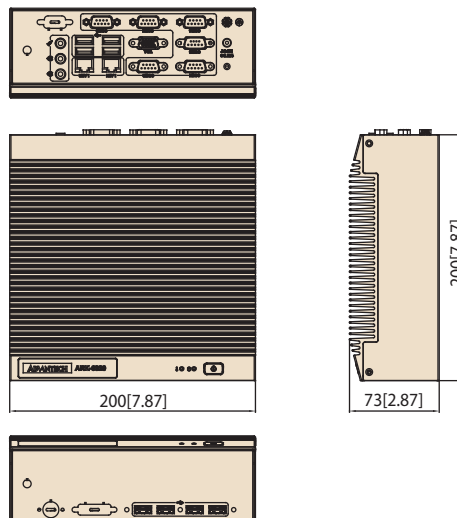


Specifications

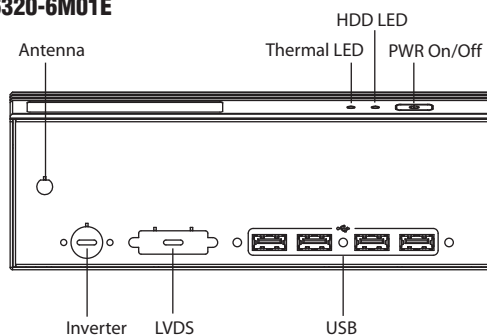
		ARK-6320-6M01E	ARK-6320-6M02E
Processor System	CPU	Intel Atom Processor D510 1.66 GHz	Intel Atom Processor D525 1.8 GHz
	System Chipset	ICH8M	
	BIOS	AMI 16 MB SPI Flash	
Memory	Technology	Single Channel DDR2 667 MHz	Single Channel DDR3 1066/1333 MHz
	Max. Capacity	2 GB	4 GB
	Socket	1 x 200-pin SODIMM	2 x 204-pin SODIMM
Graphics	Chipset	Embedded Gen 3.5 + GFX Core	
	VRAM	Optimized Shared Memory Architecture up to 224 MB system memory	
	Interface	VGA: Supports up to 2048 x 1536 @ 60 Hz LVDS: Single channel 18-bit up to 1366 x 768 (optional)	VGA: Supports up to 2048 x 1536 @ 60 Hz DVI: Supports up to 1600 x 1200 LVDS: Single channel 18/24-bit up to 1366 x 768 (optional)
	Dual Display	VGA+LVDS	VGA+DVI
Ethernet	LAN1	10/100/1000 Mbps Intel 82567V Giga Ethernet Controller, support Wake On LAN	
	LAN2	10/100/1000 Mbps Intel 82583V Giga Ethernet Controller, support Wake On LAN	
Audio	Interfaces	Mic-in, Line-in, Line-out	
IO Interface	Serial Ports	1 of RS-232/422/485, 5 of RS-232	
	USB Interface	8 x USB ports, USB 2.0 Compliant	
	watchdog timer	Programmable, 1~255 sec/min	
Storage	HDD	Supports one drive bay space for SATA 2.5" HDD (support 9.5mm height only)	
	SSD	Supports one internal CompactFlash socket for type I/II CompactFlash disk	
Expansion	miniPCIe	1 x miniPCIe	
Software Support	Microsoft Windows	Win 7, XP Professional, XP Embedded	
Power Requirement	Power Type	ATX	
	Power Input Voltage	12V	
	Minimum Power Input	DC 12V @ 3.75A	
Power Consumption	Power Adapter	AC-to-DC, 60W DC12V/5A (optional)	
	Typical	23W	
	Max.	37W	
Mechanical	Construction	Aluminum housing	
	Mounting	Desk/wall-mounting	
	Dimensions (W x H x D)	200 x 73 x 200 mm (7.9" x 2.9" x 7.9")	
	Weight	4.14 kg (8.8 lb)	
Environment	Operating Temperature	0 ~ 50° C (32 ~ 122° F)	
	Storage Temperature	- 40 ~ 85° C (-40 ~185° F)	
	Relative Humidity	10 ~ 85% @ 50° C, non-condensing	
	Vibration Loading During Operation	With 2.5-inch HDD: 1 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 Oct./min, 1 hr/axis	
	Shock During Operation	With 2.5-inch HDD: 20 G, IEC 60068-2-27, half sine, 11 ms duration	
	EMC	CE, FCC, CCC, BSMI	CE, FCC, CCC, BSMI
	Safety Certifications	CCC, BSMI, UL	CCC, BSMI

Dimensions

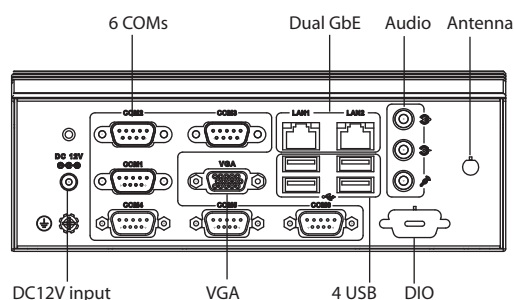
Unit: mm (inch)



Front Panel External I/O Mechanical Layout/Drawing ARK-6320-6M01E



Rear Panel External I/O Mechanical Layout/Drawing ARK-6320-6M01E



Packing List

Part Number	Description
-	1 x ARK-6320 unit
-	1 x Driver/Utility CD/Manual
-	1 x Traditional Chinese user manual for CCC
-	1 x China RoHS sheet
2960014487T001	2 x Mounting bracket
1990005896S000	4 x Rubber foot pad
1939000410	4 x Screw for rubber foot pad
1930002235	4 x Screw for hard drive mounting
2000017557	1 x IO label sticker

Ordering Information

Part Number	Description
ARK-6320-6M01E	Atom D510 1.66 GHz embedded box computer, with VGA, 2 x GbE, 8 x USB ports, 6 x COM ports, audio
ARK-6320-6M02E	Atom D525 1.8 GHz embedded box computer, with VGA, DVI, 2 x GbE, 8 x USB ports, 6 x COM ports, audio

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-6620/6310/6320
ARK-WLAN-USB	ARK-6 series wireless LAN 802.11 b/g module
1700008946	LVDS cable