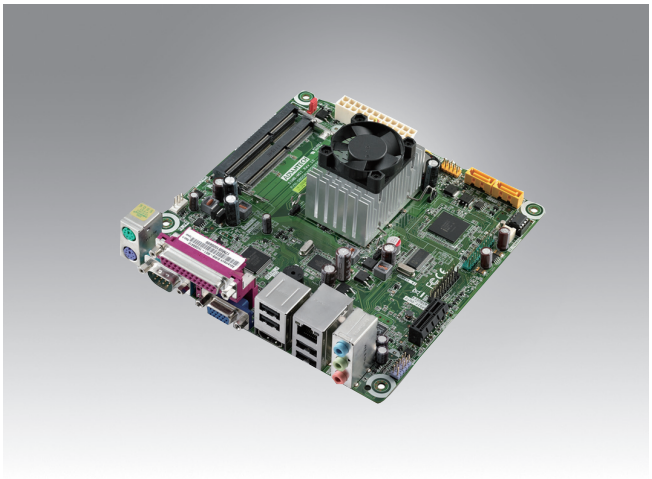
SIMB-M01

Intel® Atom™ D525 Mini-ITX with VGA/HDMI, 2 COM and LAN



Features

- Two chipset architecture
- Supports Intel® Atom™ dual core processor D525 platform
- Intel Graphics Media Accelerator 3150
- Supports VGA + HDMI dual display function
- Realtek RTL8111E supports Gigabit LAN
- Realtek ALC662 supports 5.1 channel HD audio
- 2 SATA II, 1 PCIe x1, 2 COM RS-232, 8 USB 2.0, 1 LPT, TPM header

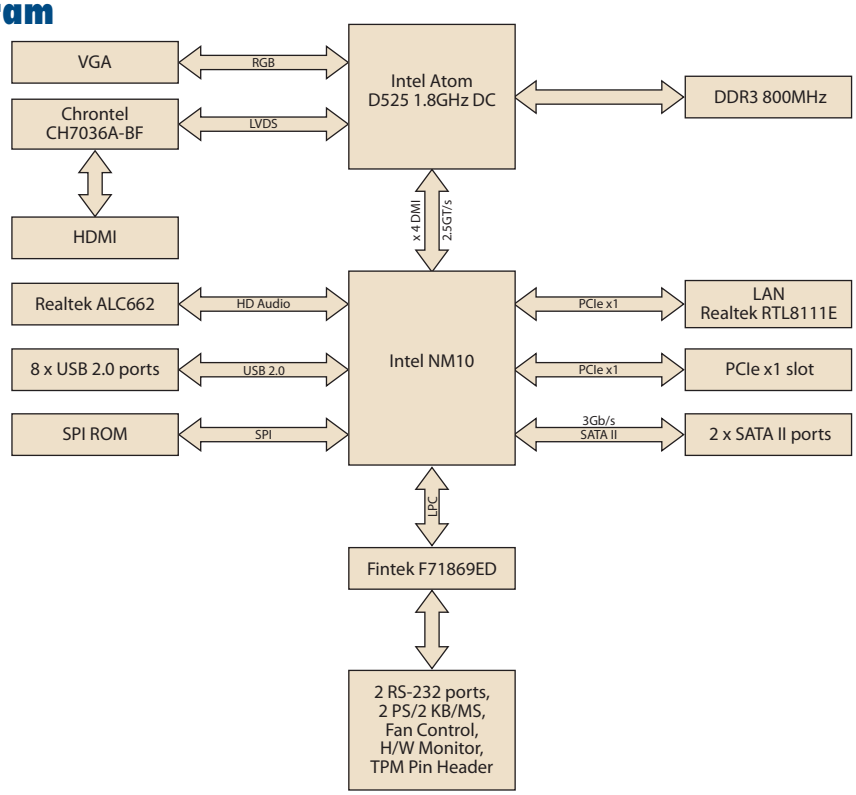
Specifications

Processor System	CPU	Intel Atom D525			
	Core Number	2			
	Max. Speed	1.8 GHz (dual core)			
	L2 Cache	1 MB			
	Chipset	Intel NM10			
	BIOS	AMI 32 Mbit, SPI			
	DMI	2.5GT/s			
Expansion Slot	PCIe x1	250 MB/s per direction, 1 slot			
Memory	Technology	Single channel DDR3 800 MHz SDRAM			
	Max. Capacity	4 GB			
	Socket	2 x 204 pin DDR3 SODIMM			
Graphics	Controller	Intel Graphics Media Accelerator 3150 integrated			
	VRAM	Shared system memory up to 224 MB SDRAM			
	VGA	1, supports up to SXGA 2048 x 1536 @ 60 Hz			
	HDMI	1, supports up to 1920 x 1080			
	Dual Display	VGA + HDMI			
Ethernet	Interface	10/100/1000 Mbps			
	Controller	Realtek RTL8111E			
	Connector	RJ-45 x 1			
SATA	Max Data Transfer Rate	SATA II 300 MB/s			
	Channel	2			
Rear I/O	VGA	1			
	HDMI	1			
	Ethernet	1			
	USB	4 (USB 2.0)			
	Audio	3 (Line-out, Line-in, Mic-in)			
	Parallel	1 (LPT)			
	Serial	1 (RS-232)			
	PS/2	2 (1 x keyboard and 1 x mouse)			
Internal Connectors	USB	4 (USB 2.0)			
	Serial	1 (RS-232)			
	IDE	-			
	SATA	2 (SATA II)			
	Parallel	-			
	GPIO	-			
Security	TPM	TPM Header			
Power Requirements	Power On	+12 V	+5 V	+3.3 V	5 Vsb
		0.54 A	2.23 A	0.71 A	0.34 A
Environment	Temperature	Operating		Non-Operating	
		0 ~ 50° C (32 ~ 122° F)		-20 ~ 70° C (-4 ~ 158° F)	
Physical Characteristics	Dimensions	170 x 170 mm (6.69" x 6.69")			

All product specifications are subject to change without notice

Last updated : 6-Mar-2014

Block Diagram



Ordering Information

P/N	CPU	Chipset	VGA	GbE	USB	COM	SATA
SIMB-M01-1VGS8A1E	Intel Atom D525	Intel NM10	1	1	8 (4 Rear, 4 Internal)	2 RS-232 (1 Rear, 1 Internal)	2 SATA II

Note: Minimum order quantity is 10 pieces

Packing List

Description	Quantity
SATA cable kit (SATA/POWER)	1
I/O shield	1
Startup manual	1 (per 10 units)
Driver CD	1 (per 10 units)

Optional Accessories

Part Number	Description
1700003195	USB cable with two ports, 17.5 cm
1700002204	USB cable with two ports, 27 cm
1700008461	USB cable with two ports, 30.5 cm
1700019549	COM port cable with bracket, 40 cm
1700021716-01	COM port cable w/o bracket, 10 cm

I/O View

