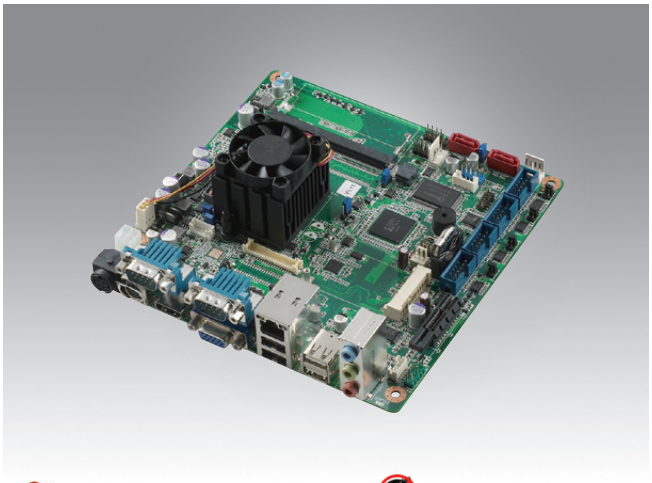
SIMB-M02

Intel® Atom™ Mini-ITX with VGA/LVDS/HDMI, 6 COMs and LAN



Features

- Intel® N2600 / D2550 processor
- Intel NM10 chipset
- Intel integrated SGX545 support DirectX 10.1
- One 204-pin SODIMM socket supports up to 4GB DDR3 1066MT SDRAM
- Realtek 8111E LAN
- Supports multiple dual display functions : VGA, HDMI, Single channel 18/24-bit LVDS
- 1 x PCIe x 1, 1 x Full Size Mini-PCIe, 1 x CFast (Optional)
- 6 COM (with power), 2 SATA II
- 7 USB 2.0, TPM 1.2 (Optional)

"N2600" series only

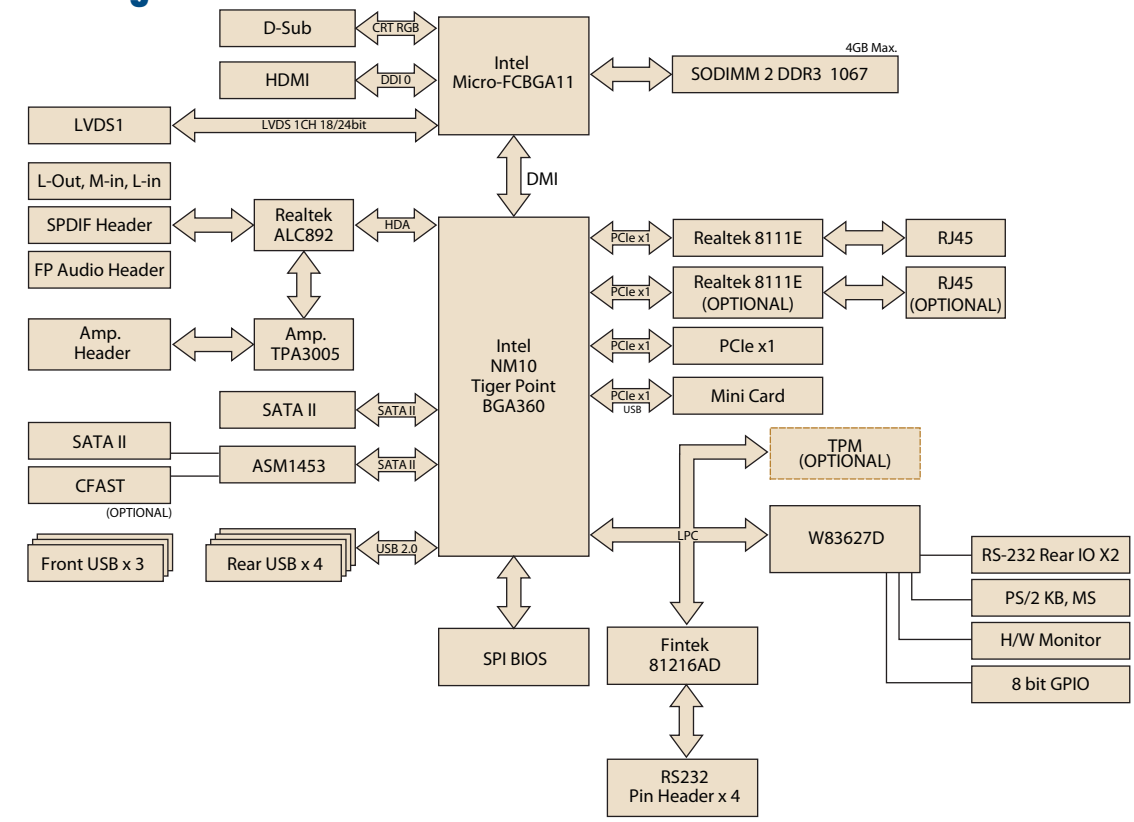
Specifications

Processor System	CPU	N2600	D2550
	Core Number	2	2
	Max. Speed	1.6 GHz	1.86 GHz
	L2 Cache	1 MB	1M
	Chipset	Intel NM10	
	BIOS	FHW 16Mbit, SPI	
Expansion Slots	PCIe	1	
	Full Size Mini-PCIe	1	
Memory	Technology	Single channel DDR3 1066 MHz	
	Max. Capacity	2 GB (for N2600), 4 GB (for D2550)	
	Socket	1 x 204-pin SODIMM	
Graphics	Controller	Intel Graphics Media Accelerator HD 3650	
	VGA	Supports max. resolution 1920 x 1200	
	LVDS	Single channel 18/24-bit LVDS supports max resolution 1366 x 768	
	HDMI	HDMI 1.3 supports max resolution 1920 x 1200	
	Dual Display	VGA + LVDS, VGA + HDMI, LVDS + HDMI	
Ethernet	Interface	10/100/1000 Mbps	
	Controller	Realtek 8111E LAN	
	Connector	RJ-45 x 1	
SATA	Max Data Transfer Rate	300 MB/s (SATA II)	
	Channel	2	
SSD	Cfast	Optional (co-lay with SATA II, if it is used, only 1 SATA II can be used)	
Rear I/O	VGA	1	
	HDMI	1	
	Ethernet	1	
	USB	4 (USB 2.0)	
	Audio	3 (Line-out, Line-in, Mic-in)	
	Serial	2 (RS-232 with R1/5V/12V power)	
	PS/2	1 port (support Y cable)	
Internal Connectors	LVDS & Inverter	1	
	USB	3 (Pin-header)	
	Serial	4 (RS-232 with R1/5V/12V power)	
	SATA	2 SATA II	
	GPIO	8-bit (4-bit DI and 4-bit DO)	
Watchdog Timer	Output	System reset	
	Interval	Programmable 1~ 255 sec/min	
Security	TPM	Optional	
Power Requirements	Typical	Single Voltage 12V DC input by 1 x External DC Jack or 1 x Internal 2x2-pin Power Connector	
		To be measured	
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 : 11-Jan-2013

Block Diagram



Ordering Information

P/N	CPU	Chipset	VGA	GbE	USB	COM	SATA
SIMB-M02-N2600A1E	Intel N2600 Processor	Intel NM10	1	1	7 (4 Rear, 3 Internal)	6 x RS-232 (2 Rear, 4 Internal)	2 SATA II
SIMB-M02-D2500A1E	Intel D2550 Processor	Intel NM10	1	1	7 (4 Rear, 3 Internal)	6 x RS-232 (2 Rear, 4 Internal)	2 SATA II

Packing List

Description	Quantity
SATA cable kit (SATA/POWER)	1
I/O shield	1
CPU Cooler	1 (D2550 only)
CPU Heatsink	1 (N2600 only)
Startup manual	1 (per 20 units)
Driver CD	1 (per 20 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

I/O View

