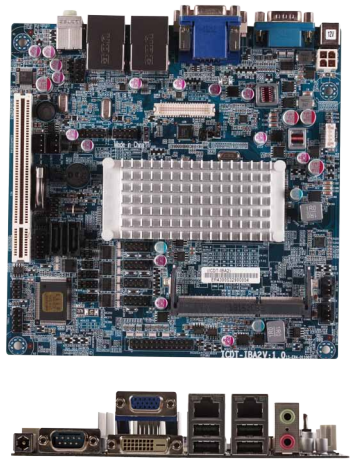
IMB-350

Advansus

Intel® NM10 with Atom™ D2550 Mini-ITX Motherboard

Mini-ITX Motherboard



Features

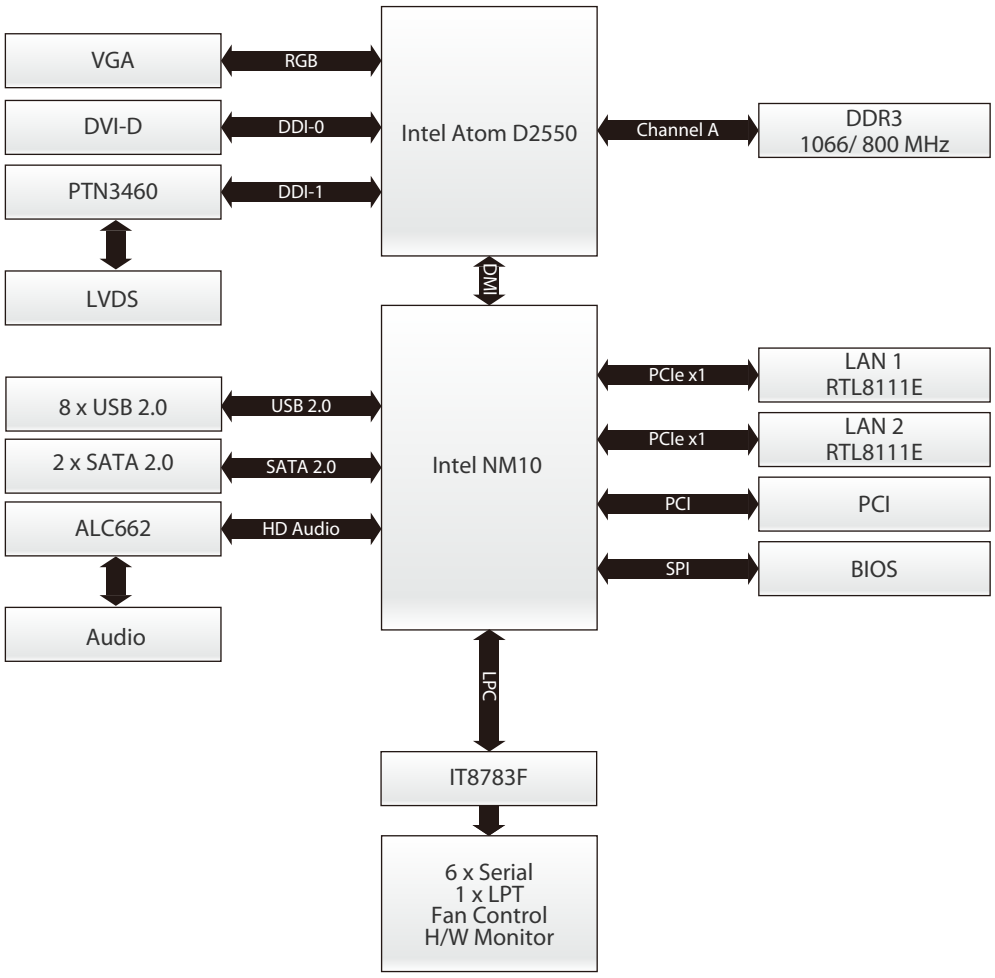
- Supports Intel Atom D2550 dual core processor with Intel NM10 chipset
- Supports dual independent display configuration by multiple display interface : VGA, DVI-D and LVDS
- Supports DirectX 10.1 and OpenGL 3.0 with Intel integrated graphics media accelerator 3650
- Supports dual LANs and 1 x LPT port
- Supports 1 powered serial port in rear I/O
- Supports 1 x 12V DC-in and 1 x 4-pin ATX power connector

Specifications

Processor	
CPU	Intel Atom D2550 processor
Socket	FCBGA559
Max. Speed	1.86 GHz
Cache	1MB
BIOS	AMI 16Mbit SPI
Memory	
Technology	Single channel DDR3 1066/ 800 MHz SDRAM (Non-ECC)
Max. Capacity	4GB per socket
Socket	1 x 204-pin SO-DIMM
Graphics	
Controller	Integrated Intel Graphic Media Accelarator 3650
VGA	Up to SXGA 1920 x 1200 (@60Hz)
DVI-D	Up to 1920 x 1200 (@60Hz)
LVDS	Up to 24-bit dual channel 1920 x 1080
Dual Display	VGA+LVDS, VGA+DVI-D, LVDS+DVI-D
Ethernet	
Interface	10/100/1000 Mbps
LAN 1 Controller	Realtek RTL8111E-VL GbE LAN
LAN 2 Controller	Realtek RTL8111E-VL GbE LAN
Connector	2 x RJ-45
Expansion Slot	
PCI	1 (32-bit/33MHz)
Storage	
SATA 2.0	2 (300MB/s per port)
Audio	
Codec	Realtek ALC662
Connector	Line-out, Mic-in

Rear I/O Connector	
VGA	1
DVI-D	1
RJ-45	2
USB 2.0	4
Serial	1 x RS-232 with 5V/12V power
Audio	2 (Line-out, Mic-in)
DC Jack	1
Internal Connector	
USB 2.0	2 for 4 x USB 2.0 port
Serial	4 x RS-232, 1 x RS-232/ RS-485
SATA 2.0	2
LVDS	1
LVDS Inverter	1
GPIO	1 (8-bit)
LPT	1
Watchdog Timer	
Output	System reset
Interval	Programmable 1-255 sec/min
Power	
Power Requirement	+12V (5A) +12V (7.5A)
Power Type	DC-in
Power Connector	1 x 12V DC-in, 1 x 4-pin ATX 12V
Environment	
Operation Temperature	0 ~ 60° C (32 ~ 140° F)
Non-Operation Temperature	-40 ~ 85° C (-40 ~ 185° F)
Operation Humidity	0% ~ 90% relative humidity, non-condensing
Physical Characteristics	
Dimensions	170mm x 170mm (6.69" x 6.69")
Weight	0.35 Kg

Block Diagram



Ordering Information

Part Number	Chipset	VGA	DVI-D	LVDS	LAN	PCI	USB	Serial
IMB-35000-00A1E	NM10	1	1	1	2	1	8	6

Packing List

Description	Qty
I/O shield	1
Startup manual	1 (per 20 units)
Driver CD	1 (per 20 units)

Optional Accessories

Part Number	Description
1700003195	USB2.0 cable for 1-to-2 ports, 17.5cm
1700020942-01	Serial cable, 26cm
1700008809	Printer cable w/ bracket, 25cm
1700003194	SATA2.0 cable, 60cm, 180degree

* The product information and specifications are subject to change without prior notice.
* All the rights of above logos and trademarks belong to their representative owners.