IMB-351

Advansus

Intel® Celeron® N2930/ J1900/ J1800 Mini-ITX Motherboard

Mini-ITX Motherboard



Features

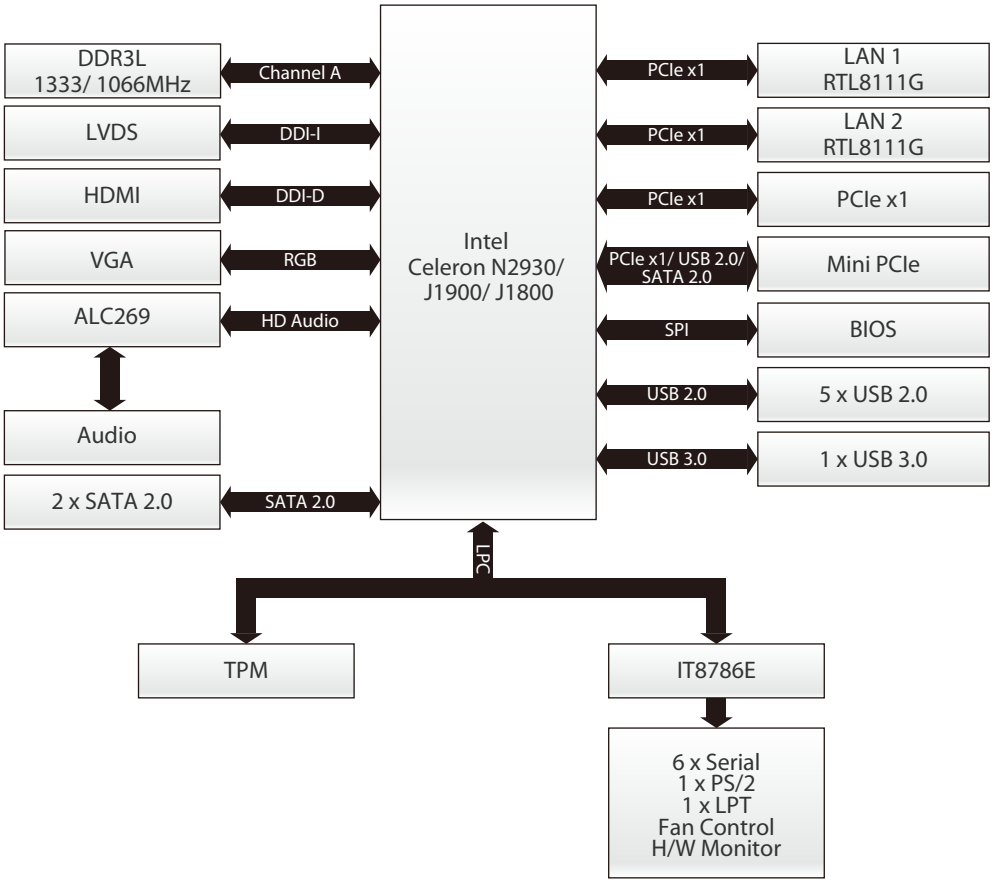
- Integrated SOC design supports Intel Celeron series processor family : N2930/ J1900/ J1800
- Supports dual independent display configuration by multiple display interface : VGA, HDMI and LVDS
- Intel HD Graphics supports embedded Hardware Decode Accelerator delivering 1080p HD video stream with excellent performance
- Onboard 1 x PCIe x1, 1 x Mini PCIe supports full-length mini card or mSATA
- Supports dual LANs, 1 x LPT, 6 x serial
- Supports 1 x 12V DC-in, 1 x 4-pin ATX power connector

Specifications

Processor	
CPU	Intel Celeron N2930/ J1900/ J1800 processor
Socket	FCBGA1170
Max. Speed	Up to 2.58GHz
Cache	Up to 2MB
BIOS	AMI EFI 64Mbit SPI
Memory	
Technology	Single channel DDR3L 1066 MHz SDRAM (Non-ECC)
Max. Capacity	8GB per socket
Socket	1 x 204-pin SO-DIMM
Graphics	
Controller	Integrated Intel HD Graphics engine
VGA	Up to SXGA 2560 x 1600 (@60Hz)
HDMI	Up to 1920 x 1080 (@60Hz)
LVDS	Up to SXGA 2560 x 1600 (@60Hz)
Dual Display	VGA+HDMI, VGA+LVDS, HDMI+LVDS
Ethernet	
Interface	10/100/1000 Mbps
LAN 1 Controller	Realtek RTL8111G GbE LAN
LAN 2 Controller	Realtek RTL8111G GbE LAN
Connector	2 x RJ-45
Expansion Slot	
Mini PCIe	1 for full-length
PCIe x1 (Gen2)	1
Storage	
SATA 2.0	2 (300MB/s per port)
mSATA	1 (300MB/s per port, by Mini PCIe slot)
Audio	
Codec	Realtek ALC269
Connector	Line-out, Mic-in

Rear I/O Connector	
VGA	1
HDMI	1
RJ-45	2
USB 2.0	4
Serial	2 x RS-232
DC Jack	1
Audio	2 (Line-out, Mic-in)
PS/2	2
Internal Connector	
USB 3.0	1
USB 2.0	1
Serial	3 x RS-232, 1 x RS-232 with 5V/ 12V power
SATA 2.0	2 (300MB/s per port)
LVDS	1
TPM	1
CPU Fan	1
System Fan	1
Front Audio	1
Front Panel	1
GPIO	1 (8-bit)
LPT	1
Watchdog Timer	
Output	System reset
Interval	Programmable 1-255 sec/min
Power	
Power Requirement	+12V (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	0.45 Kg

Block Diagram



Ordering Information

Part number	CPU	VGA	LVDS	DVI	HDMI	DP	LAN	PCIe x16	PCIe x1	PCI	USB	Serial
IMB-35100-00A1E	J1800	1	1	1	1	N/A	2	N/A	1	N/A	5	6
TBD	J1900	1	1	1	1	N/A	2	N/A	1	N/A	5	6
TBD	N2930	1	1	1	1	N/A	2	N/A	1	N/A	5	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
170008876	Serial cable for 1-to-4 ports, 35cm
1700003194	SATA2.0 cable, 60cm, 180degree
1700008809	Printer cable w/ bracket, 25cm

* 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.