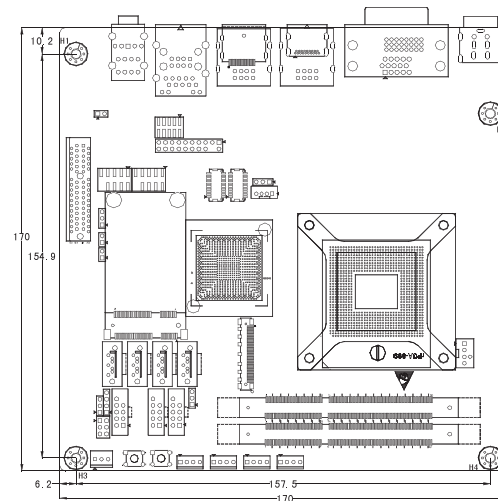
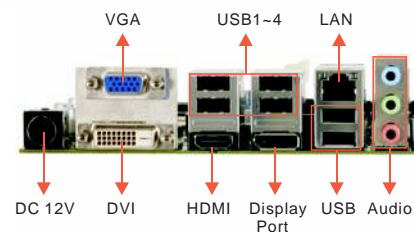
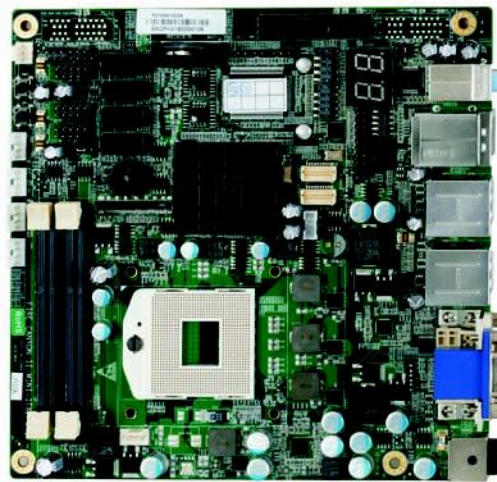


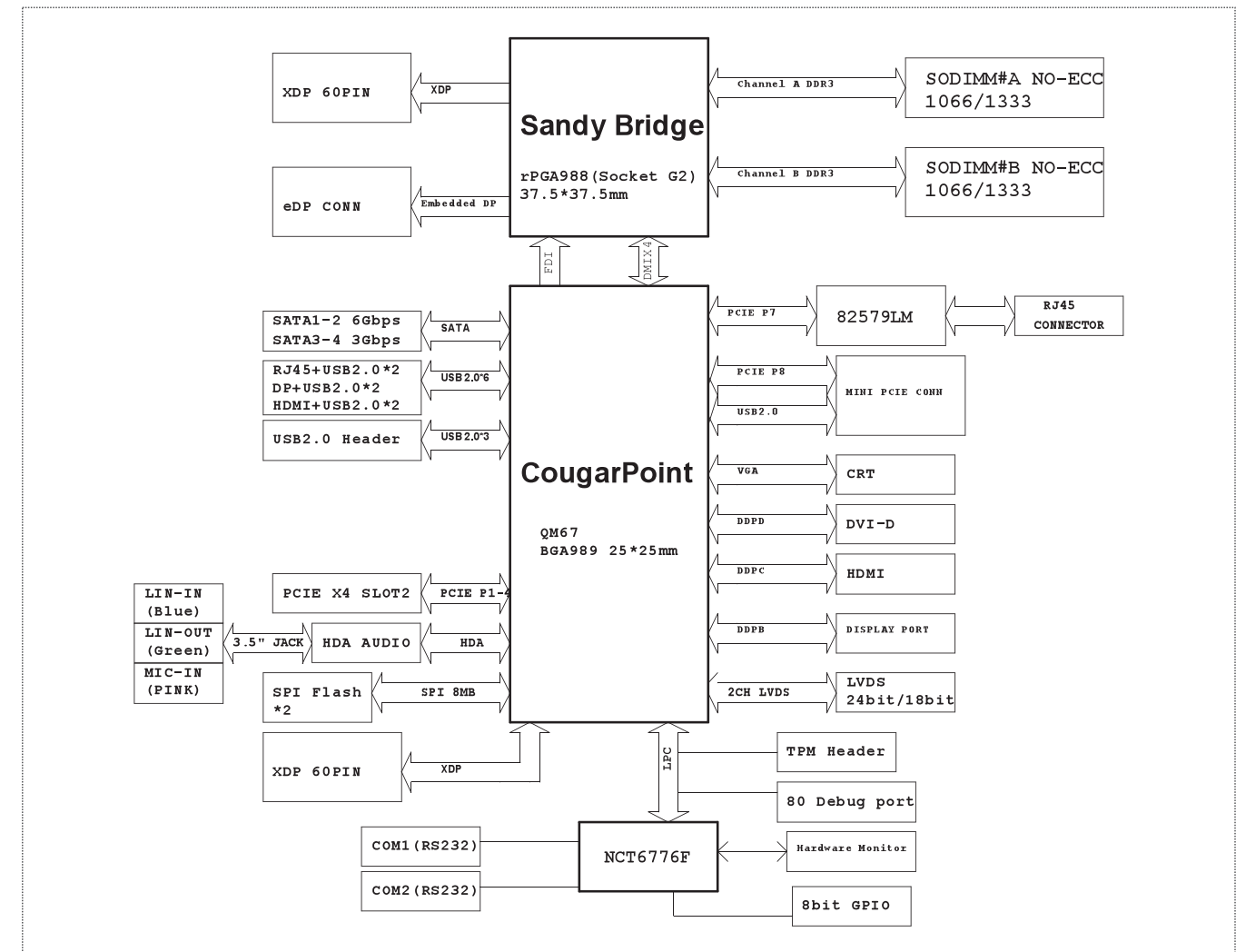
# EC7-1817LNAR

Mini-ITX SBC with Intel® rPGA988 I3/I5/I7 CPU and VGA/LVDS/DVI/HDMI/LAN/Audio



Unit: mm

## Board Diagram



## Features

- Supports Intel® rPGA988 I3/I5/I7 CPU
- Supports 2 x 204-pin DDR3 SO-DIMM slots, up to 16GB
- Supports 1 x VGA, 2 x 24-bit LVDS, 1 x DVI-D, 1 x HDMI, 1 x display port
- Supports 1 x 10/100/1000Mbps Ethernet interface
- Supports 12 x USB2.0, 2 x COM, 4 x SATA, 1 x 8-bit DIO, 1 x PCI-E x4, 1 x Mini-PCIE

## Specifications

System	
Processor	Supports the Sandy bridge Mobile SV NON-ECC CPU of Intel® rPGA988 package. Such as Intel® Core™ i7, Intel® Core™ i5, Intel® Core™ i3 and Intel® Celeron® Processor
Chipset	Mobile Intel® QM67 Express Chipset
Memory	Supports 2 x 204-pin DDR3 SO-DIMM Slots, dual channel up to 16GB 1066/1333/1600MHz memory
Hardware Monitor	Monitors CPU temperature, voltage and fan speed
Expansion Interface	1 x PCI-E x4, 1 x Mini-PCIE
Storage	
Serial ATA	4 x SATA, SATA1/2 support 3 <sup>rd</sup> generation standard (6.0Gbps), supports RAID0/1/5/10
Floppy	N/A
CF	N/A
I/O Interface	
USB	12 x USB2.0
Serial Port	2 x RS232
Parallel Port	N/A
IrDA	N/A
GPIO	4 x Digital Input, 4 x Digital Output
Audio	Adopts ALC887 audio chip, supports HD Audio, available interfaces of Mic-in, Line-in and Line-out

Display	
Chipset	Adopts Intel® Sandy bridge CPU internally integrated graphics controller display chip, supporting Direct X10.1
Resolution	VGA mode: up to 2048 x 1536@75Hz DVI/HDMI mode: up to 1920 x 1200@60Hz Display port mode: up to 2560 x 1200@60Hz
Dual Display	VGA + LVDS, VGA + Display port, VGA + HDMI, VGA + DVI (synchronous output)
Ethernet	
Chipset	1 x RTL8111D
Speed	1 x 10/100/1000Mbps
Connector	1 x RJ45 (supports Wake-on-LAN, LAN PXE booting and AMT7.0 function)
Mechanical and Environmental	
Dimensions	170mm(L) x 177.8mm(W) x 44.2mm(H)
Operating Temperature	0°C~60°C
Storage Temperature	-40°C~80°C
Operating Humidity	5%-95%, non-condensing
Power	
Power Supply	Single +12V power supply, supports AMT7.0 and ACPI function
Power Consumption	N/A
Operating System	
Windows OS	Windows XP/Windows 7
Embedded OS	Linux

## Optional Accessories

Part Number	Name	Description	Qty.
2192-013791	Driver DVD/protective film/RoHS	EC7-1817LNAR/Ver:C00	1
2360-026941	SATA cable/RoHS	SATA-7 +15-pin to SATA 7 + 4-pin connector, Length: 200mm	4
2360-008351	Series port cable/RoHS	DB9 male connector to 2x5 Pin (2.54mm pitch), Length: 300mm	2
2360-002571	Dual USB ports with bracket/RoHS	Two USB ports to one 2x5 Pin connector, Length: 300mm/RoHS	1

## Order Information

Part Number	Model Number	Description
0030-017721	EC7-1817LNAR	Motherboard/ROHS