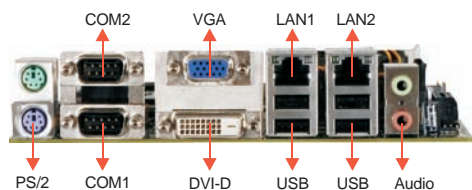
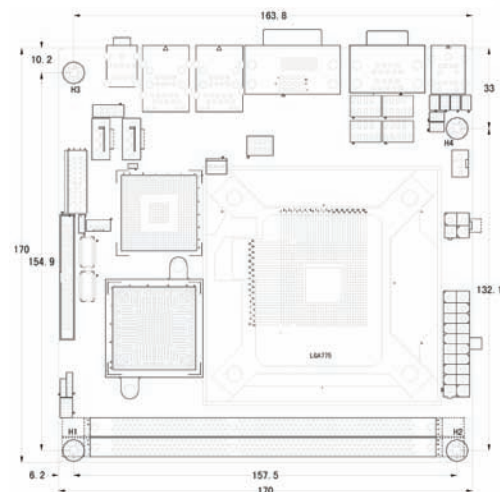


EC7-1816L2NA

Mini-ITX SBC with Intel® LGA775 and VGA/DVI/LVDS/2LAN/Audio



Features

- Mini-ITX SBC Onboard Intel® LGA775, FSB 800/1066/1333 MHz processor
- Support 2 x 240-pin DDR3 memory slot, up to 4GB
- Support 1 x VGA, 2 x 24-bit LVDS, 1 x DVI-D
- Support 2 x 10/100/1000Mbps Ethernet interface
- Support 6 x USB2.0, 6 x COM, 2 x SATA, 1 x IDE, 1 x 8-bit DIO, 1 x PCI-E x1

Specifications

System

Processor	Supports Intel® Core™2 Quad, Core™2 Duo, Celeron® E1000A and Celeron®400A series CPU of Intel® LGA775 package with FSB: 800/1066/1333MHz
Chipset	Intel® G41 + ICH7
Memory	Supports 2 x 240-pin DDR3 memory Slots, dual channel up to 4GB 800/1066MHz memory
Hardware Monitor	Monitors CPU temperature, voltage and fan speed
Watchdog Timer	1-255 sec./min. timer system reset or interrupt, setup by software
Expansion Interface	1 x PCI-E x1

Storage

IDE	1 x IDE
Serial ATA	2 x SATA II
Floppy	N/A
CF	N/A

I/O Interface

USB	6 x USB2.0,
Serial Port	5 x RS232, 1 x RS232/422/485(COM1), COM1 support wake-up function
Parallel Port	N/A
IrDA	N/A
GPIO	4 x Digital Input, 4 x Digital Output
Audio	Adopt ALC888 audio chip, available interface of Line-out and Mic-in

Display

Display Controller	Intel® G41 Integrated Graphics
Memory	256MB shared memory
Resolution	VGA mode: up to 2048 x 1536@75Hz DVI-D mode: up to 1920 x 1200@60Hz LVDS mode: up to 1600 x 1200@60Hz
Dual Display	1 x VGA , 2 x 24-bit dual channel LVDS, 1 x DVI-D

Ethernet

Chipset	2 x RTL8111D
Speed	2 x 10/100/1000Mbps
Connector	2 x RJ 45

Mechanical and Environmental

Dimensions(L*W)	170mm x 170mm
Operating Temperature	0°C~60°C
Storage Temperature	-20°C~80°C
Operating Humidity	5%-95%,non-condensing

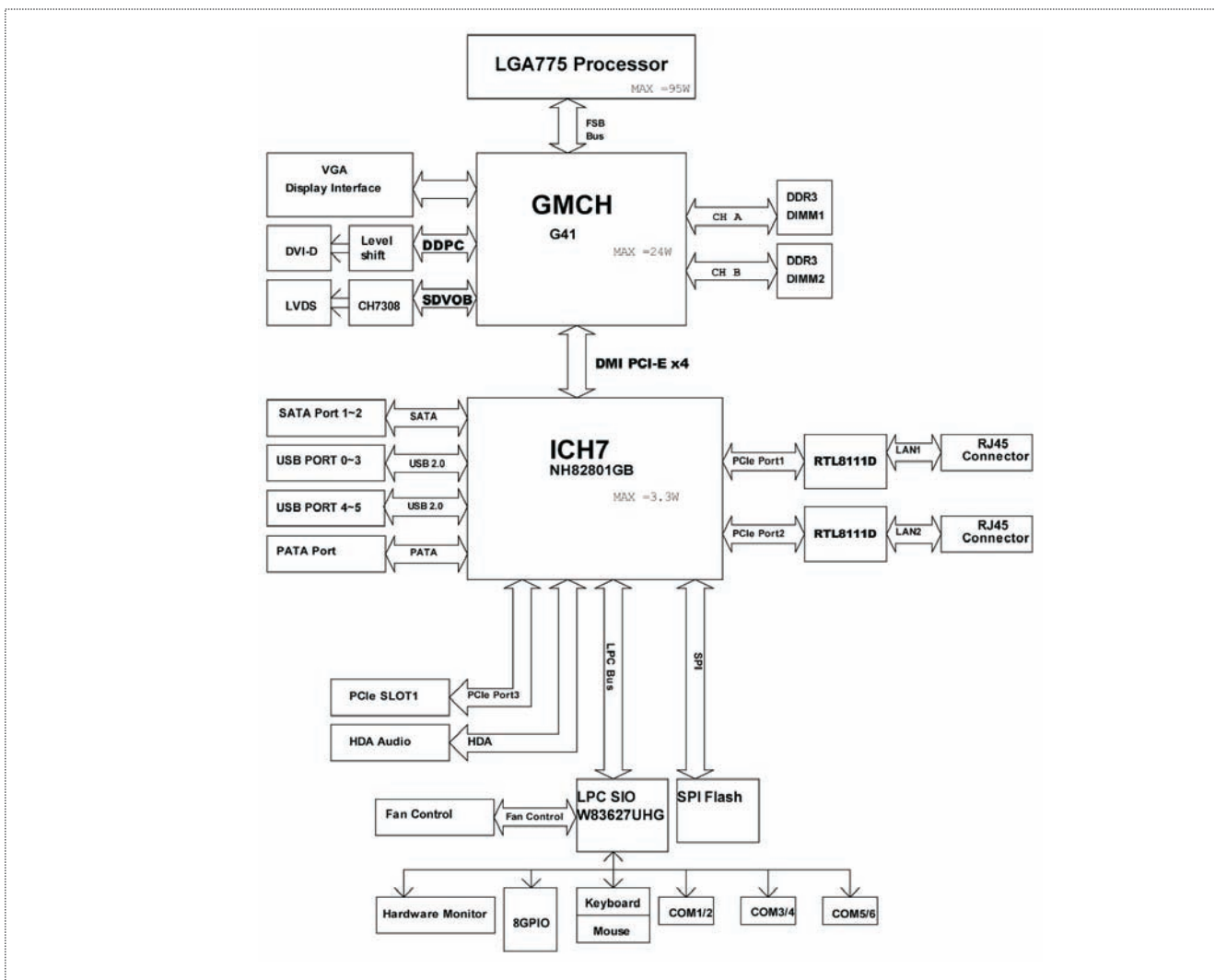
Power

Power Supply	ATX power supply
Power Consumption	N/A

Operating System

Windows OS	Windows 2000/ Windows XP
Embedded OS	Linux

Board Diagram



Optional Accessories

Part Number	Name	Description	Qty.
2192-013211	Driver DVD/protective film/RoHS	EC7-1816L2NA/VER:C00	1
2360-018011	SATAcable/ROHS	SATA-7 Pin female connector, length: 300mm	1
2360-029961	Series port cable/ROHS	DB9 male connector to 2x5 Pin (2.54mm pitch) with bracket /2651,length: 300mm	2
2360-002571	Dual USB ports with bracket/RoHS	Two USB ports to one 2x5 Pin connector,Length:300mm/RoHS	1

Ordering Information

Part Number	Model Number	Description
0030-017681	EC7-1816L2NA	Motherboard/G41+ICH7/RoHS