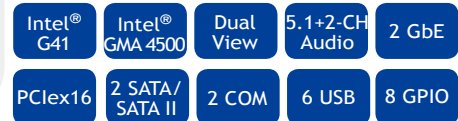


Features

- Intel® LGA775 Socket Supports Intel® Core™ 2 Quad/ Core™ 2 Duo CPU
- Intel® G41/ ICH7-R Chipset
- One 240-pin DIMM Up to 2GB DDR2 667/ 800MHz SDRAM
- Intel® Graphics Media Accelerator 4500
- Dual View, VGA, LPT
- Realtek ALC888 Supports 5.1+2-CH HD Audio
- Dual Realtek RTL8111DL Gigabit Ethernet
- 1 PClex16, 2 SATA/ SATA II
- 2 COM (5V/ 12V), 6 USB, 8-bit GPIO
- RAID 0, 1



Specifications

System

• CPU	Intel® LGA775 Socket Supports Intel® Core™ 2 Quad/ Core™ 2 Duo with 45nm Process Technology
• FSB	800/ 1066/ 1333MHz
• BIOS	AMI 4MB Flash ROM BIOS
• System Chipset	Intel® 82G41/ 82801GB (ICH7-R)
• I/O Chip	Winbond W83627DHG-P
• System Memory	One 240-pin DIMM Up to 2GB DDR2 667/ 800MHz SDRAM
• Watchdog Timer	Reset: 1sec. ~ 255min. and 1sec. or 1min./step
• H/W Status Monitor	Monitoring CPU Temperature and Fan Status with Auto Throttling Control
• Expansion	1 x PClex16
• S3/ S4	Yes (S1/ S3/ S4)
• SmartFan Control	Yes

I/O

• MIO	2 x SATA/ SATA II, 2 x RS-232 (5V/ 12V), 1 x LPT, 1 x PS/2 KB/MS
• USB	6 x USB 2.0
• DIO	8-bit

Audio

• Audio Codec	Realtek ALC888 Supports 5.1+2-CH HD Audio
• Audio Interface	Mic-in, Line-in, Line-out,
• Audio Amplifier	TPA3005D2 Stereo 6Watt Per Channel

Display

• Chipset	Intel® Graphics Media Accelerator 4500 Integrated
• Display Memory	Intel® DVMT 4.0 Supports Up to 352MB Memory
• Max. Resolution	VGA Mode : 2048 x 1536 @ 75Hz
• Dual Display	VGA + ADD2
• VGA	Yes, Onboard GMA 4500

Ethernet

• LAN 1	Realtek RTL8111DL PCIe Gigabit Ethernet
• LAN 2	Realtek RTL8111DL PCIe Gigabit Ethernet

Mechanical & Environmental

• Power Type	ATX
• Operating Temperature	0 ~ 60°C (32 ~ 140°F)
• Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
• Operating Humidity	0 ~ 90% Relative Humidity, Non-condensing
• Size (L x W)	6.69" x 6.69" (170mm x 170mm)
• Weight	0.88lbs (0.4Kg)

Ordering Information

• EMX-G41-A1R

Intel® Core™ 2 Quad/ Core™ 2 Duo Mini ITX Motherboard with Intel® G41 + ICH7-R Chipset and VGA, Audio, 2 GbE, PCI, 1 PClex16, 2 SATA/ SATA II, 2 COM, 6 USB, 8-bit GPIO