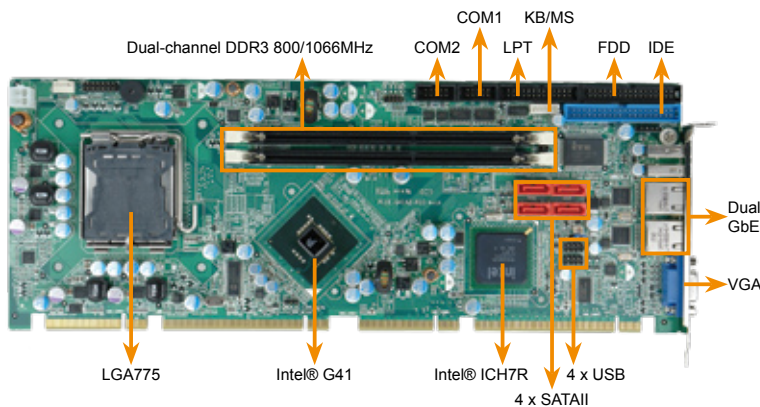


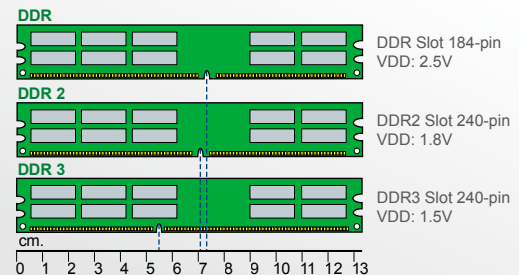
PCIE-G41A2

Full-size PICMG 1.3 CPU card supports LGA775 Intel® Core™2 Quad processor, DDR3 with VGA, Dual PCIe GbE, SATAII, COM and USB 2.0, RoHS



Advantages compared with DDR2

- Higher bandwidth performance, up to 1600 MT/s standardized
- Slightly improved latencies as measured in nanoseconds
- Higher performance at low power
- Enhanced low-power features



Specifications

- ◆ CPU
LGA 775 Intel® Core™2 Extreme/Quad/Duo, Celeron with a 1333/1066/800MHz FSB support
- ◆ System Chipset
Intel® G41+ ICH7R
- ◆ BIOS
AMI Flash BIOS
- ◆ System Memory
2 x 240-pin dual-channel DDR3 1066/800 MHz up to 4GB
- ◆ Ethernet
Dual PCIe Realtek 8111CP GbE controller
- ◆ I/O Interface
2 x RS-232 1 x IDE
1 x LPT 1 x FDD
1 x KB/MS by 6-pin header
4 x SATAII with Intel RAID 0,1,5 and 10
8 x USB 2.0 (2 on bracket, 4 by pin header, 2 to backplane via Golden Finger)
- ◆ Digital I/O
8-bit digital I/O, 4 input/ 4 output
- ◆ Infrared Interface
1 x Infrared by 5-pin pin header
- ◆ Super I/O
ITE IT8718F
- ◆ Graphic
Intel® Graphics Media Accelerator X4500 (Intel® GMA X4500)
- ◆ Display Interface
Analog CRT
VGA display output upto 2048x1536
- ◆ Audio
5.1 channel audio kit with Realtek ALC655 AC'97 codec
7.1 channel HD audio kit with Realtek ALC883 codec supports dual audio streams
- ◆ Watchdog Timer
Software programmable supports 1~255 sec. System reset
- ◆ Power Supply
ATX Power
- ◆ Power consumption
3.3V@0.53A, 5V@6.2A, 12V@0.11A, Vcore_12V@2.91A (Intel® Core™2 Duo E8500 3.16GHz 1333MHz FSB CPU with 2x2GB DDR3 1333MHz)
- ◆ Temperature
operation: -10°C ~ 60°C
- ◆ Humidity
operation: 5% ~ 95% non-condensing
- ◆ Dimension
338 mm x 126 mm
- ◆ Weight
1.1 Kg

Features

1. PICMG 1.3 form factor
2. LGA775 Intel® Core™2 Extreme/Quad/Duo and Celeron processor supports up to 1333MHz FSB
3. Dual channel DDR3 1066/800MHz supports up to 4GB
4. High performance PCI-Express Gigabit Ethernet controller
5. Four SATAII with Intel® Matrix Mtorage Manager supported
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Packing List

1 x PCIE-G41A2 single board computer
1 x Mini jumper Pack
4 x SATA cable (P/N: 32000-062800-RS)
1 x Dual RS-232 cable (P/N: 19800-000051-RS)
1 x USB cable (P/N: CB-USB02-RS)
1 x Utility CD
1 x QIG

Ordering Information

Part No.	Description
PCIE-G41A2-R10	Full-size PICMG 1.3 CPU card supports LGA775 Intel® Core™2 Quad processor, DDR3 with VGA, Dual PCIe GbE, SATAII, COM and USB 2.0, RoHS
AC-KIT-883HD-R10	7.1 channel HD Audio Kit with Realtek ALC883 support dual audio streams
AC-KIT08R-R10	5.1 channel AC'97 audio kit with Realtek ALC655
19800-000075-RS	6-Pin wafer to PS/2 connector cable for Keyboard and Mouse
CB-USB14-RS	4 ports USB cable
CF-520-RS-R11	CPU Cooler
CF-775A-RS	CPU Cooler
32102-000100-100-RS 32102-000100-200-RS	SATA power cable
32200-000017-RS	FDD cable
19800-000049-RS	LPT cable
32200-000052-RS	ATA66 IDE flat cable