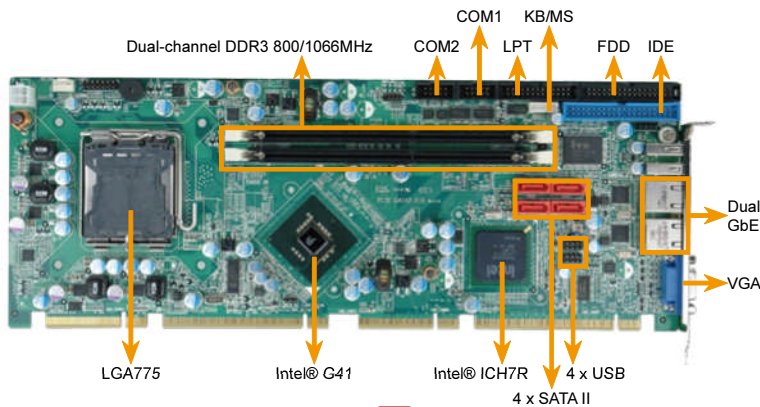


PCIE-G41A2

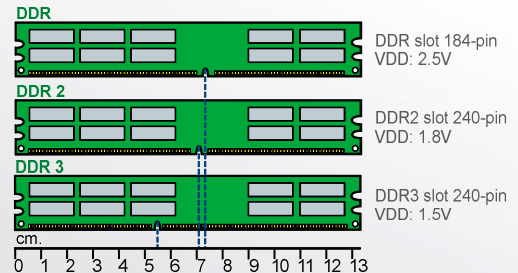
Full-size PICMG 1.3 CPU card supports LGA775 Intel® Core™2 Quad processor, DDR3 with VGA, Dual PCIe GbE, SATA II, Audio, COM and USB 2.0, RoHS

New



Advantages of DDR3

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



Specifications

- ◆ CPU
LGA775 45nm Intel® Core™2 Quad, Core™2 Duo, Pentium® D, Celeron® at FSB 800/1066/1333MHz processors
- ◆ System Chipset
Intel® G41+ ICH7R
- ◆ BIOS
AMI BIOS
- ◆ System Memory
Two 240-pin 4GB (max.) 800/1066MHz dual-channel DDR3 SDRAM DIMM supported (System max. 8GB)
- ◆ 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 SATA II 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-bit input /4-bit output
- ◆ Infrared Interface
1 x Infrared by 5-pin pin header
- ◆ Super I/O
ITE IT8718F
- ◆ Display Interface
Intel® GMA X4500
VGA display output up to 2048x1536
- ◆ Audio
5.1 channel audio kit with Realtek ALC655 AC'97 codec
7.1 channel HD audio kit with Realtek ALC888 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 at FSB 1333MHz CPU with 2x2GB DDR3 1333MHz)
- ◆ Temperature
Operation: -10°C ~ 60°C
- ◆ Humidity
Operation: 5% ~ 95% non-condensing
- ◆ Dimensions
338 mm x 126 mm
- ◆ Weight
GW: 1100g

Features

1. PICMG 1.3 form factor
2. LGA775 Intel® Core™2 Extreme/Quad/Duo and Celeron® processor supports up to 1333 MHz FSB
3. Dual channel DDR3 800/1066MHz supports up to 8 GB
4. High performance PCI Express gigabit Ethernet controller
5. Four SATA II with Intel® Matrix Storage Manager support Raid 0,1,5 and 10
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, SATA II, Audio, COM and USB 2.0, RoHS
AC-KIT-888HD-R10	7.1 channel HD audio kit with Realtek ALC888 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
19800-000100-200-RS	4 ports USB cable with bracket
CF-775A-RS	CPU cooler for 130 W
CF-520-RS-R11	CPU cooler for 115 W
CF-775B-RS	1U CPU cooler for 90 W
32102-000100-200-RS	SATA power cable
32200-000017-RS	FDD cable
19800-000400-100-RS	LPT cable
32200-000052-RS	ATA66 IDE flat cable

1

Industrial Computing Solutions

2

Video Capture Solutions

3

Embedded Computing Solutions

4

Industrial Data Collector and Controller

5

Panel Solutions Introduction

6

ORing Network Communication

7

Power Supply/Peripherals