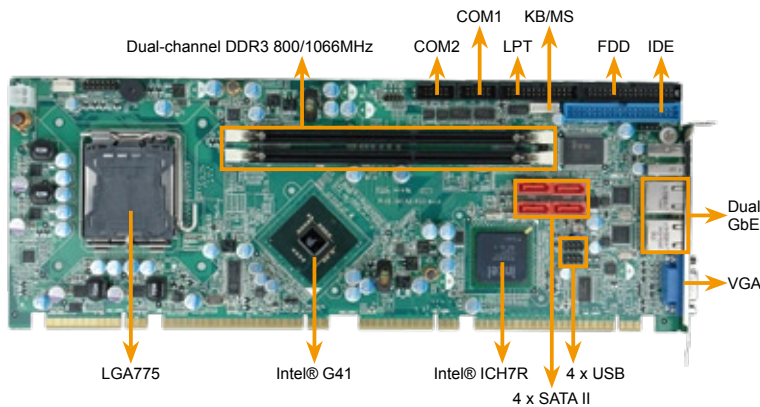


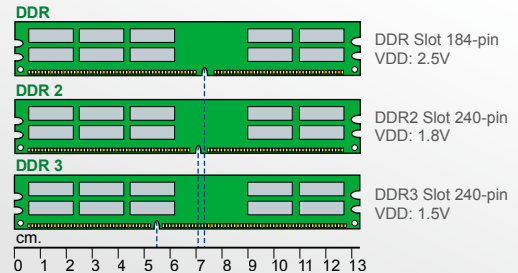
PCIE-G41A2

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



Advantages of DDR3

- 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
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 Flash 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 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-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 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 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 Mtorage 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-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 |
| 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 |

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Industrial Computing Solutions2
Embedded Computing Solutions3
Industrial Data Collector and Controller4
Video Capture Solutions5
I/O Communication Solutions6
Panel Solutions7
ORing Network Communication8
Power Supply Peripherals