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| **PCA-6011** | **CPU卡,带 VGA/DVI/双GbE端口** |
|  | **LGA775 Intel® Core 2 Quad™ 全长** |



|  |  |  |  |
| --- | --- | --- | --- |
| DDR3 1333 | LPT | USB \* 8 |  |
| Max 8GB | SATA \* 4 |  |

COM1

 COM2

FDD

IDE

LAN2

LAN1

 VGA1

 KBMS1

|  |  |  |  |
| --- | --- | --- | --- |
| Core™ 2 Quad |  | ICH7/ICH7R | LPC1 |
| FSB 1333 MHz | G41 DVI | HDAUD1 |  |
| Processors |  |  |  |

**特性**

**** 符合PICMG 1.0标准

**** 支持LGA 775 Intel®Core™2 Quad FSB 1333 MHz处理器

**** 支持双通道DDR3 1333 SDRAM，最高可达8 GB **** 双GbE LAN via双PCIe x1通道

* 2 COM端口, 4 SATA端口， 8 USB 接口
* G2版本支持VGA双显和DVI-D

**规格**



|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | CPU (45nm/65nm) | Intel Core 2 Quad | Intel Core 2 Duo |  | Intel Pentium |  | Intel Celeron |  |
|  | 最大主频 | Q9650 3.0 GHz | E8500 3.16 GHz |  | E6500 2.93 GHz |  | E1500 2.2 GHz |  |
| 处理器系统 | 二级缓存 | 12 MB | 6 M |  | 8 M |  | 512 KB |  |
| 芯片组 | Intel G41 + ICH7/ICH7R (only for G2 SKU) |  |  |  |  |  |
|  |  |  |  |  |  |
|  | BIOS | AMI 16 Mb SPI Flash |  |  |  |  |  |  |
|  | FSB | 800/1066/1333 MHz |  |  |  |  |  |  |
| 系统总线 | PCI | 32 bit/33 MHz PCI |  |  |  |  |  |  |
| ISA | HISA (ISA High Driver) |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | 规范 | 双通道DDR3 800/1066/1333 DIMMs |  |  |  |  |  |
| 内存 | 最大可支持容量 | 8 GB |  |  |  |  |  |  |
|  | 插槽 | 240-pin DIMM x 2 |  |  |  |  |  |  |
|  | 控制器 | Intel Graphics Media Accelerator X4500 |  |  |  |  |  |
| 显示芯片 | VRAM | 共享352MB系统内存 |  |  |  |  |  |
|  | 视频输出 | 15-Pin VGA D-sub 接口r x1/DVI 接口x1 (only for G2 SKU) |  |  |  |
|  | 接口 | 10/100/1000 Mbps |  |  |  |  |  |  |
| 以太网 | 控制芯片 | Intel 82583 V |  |  |  |  |  |  |
|  | 接口 | RJ-45 带指示灯接口r x 2 (G2 SKU), x1 (VG SKU) |  |  |  |  |
|  | 带宽 | 300 MB/s |  |  |  |  |  |  |
| SATA | 通道 | 4 ports |  |  |  |  |  |  |
|  | RAID | 0, 1, 5, 10 (only for G2 SKU) |  |  |  |  |  |
|  | 模式 | ATA 100/66/33 |  |  |  |  |  |  |
| EIDE | 通道 | 1 (最多可支持2个IDE设备; 主设备可替换1个 CF 插槽) |  |  |  |
|  | CF | (Optional) |  |  |  |  |  |  |
|  | USB 2.0 | 8个排针转接口VG SKU); 6 个排针转接口/1 个位于背板I/O (G2 SKU) |  |  |  |
|  | 串口 | 2 RS-232在主板排针转接口, 加模块自动流量控制的RS-485端口 (optional, |  |  |
| I/O 接口 | Advantech P/N: PCA-COM485-00A1E) |  |  |  |  |  |
| 并口 |  |  |  |  |  |
| 1 (EPP/ECP/SPP) |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | FDD | 1 |  |  |  |  |  |  |
|  | PS/2 | 1 (用于连接鼠标键盘，包装中含有Y型电缆) |  |  |  |  |
| 看门狗定时器 | 输出 | 系统复位 |  |  |  |  |  |  |
| 间隔 | 可编程**的**1~255 sec |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 其他功能 | 音频输出 | IIntel高清晰**度音频接口（要求1个音频扩展模块**P/ |  |  |  |
| N: PCA-AUDIO-HDA1E) |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | CPU | 配置1: Core 2 Quad Q9400 (3.0 G, 95 W) + DDR3 1066 2 G x2 |  |  |  |
|  | 电压 | +12 V | +5 V | +3.3 V | +5 VSB | -12 V | -5 V |  |
| 电源 | 电流 | 5.14 A | 4.04 A | 0 A | 0.17 A | 0 A | 0 A |  |
| CPU | 配置2 2: Core2 Duo E8400 (3.0G, 65W) + DDR3 1066 2 GB x2 |  |  |  |
|  |  |  |  |
|  | 电压 | +12 V | +5 V | +3.3 V | +5 VSB | -12 V | -5 V |  |
|  | 电流 | 3.63 A | 3.4 A | 0 A | 0.15 A | 0 A | 0 A |  |
| 环境 |  | 工作状态 |  |  | 非工作状态 |  |  |  |
| 温度 | 0 ~ 60 °C (32 ~ 140 °F) |  |  | -40 °C ~ 85 °C |  |  |  |
|  | 工作湿度: 40 °C @ 85% RH 非凝结) |  | 60 °C @ 95% RH 非凝结 |  |
|  |  |  |  |
| 外观 | 尺寸(L x H) | 338 x 122 mm (13.3" x 4.8") |  |  |  |  |  |



**Slot SBC & Passive Backplanes**

All product specifications are subject to change without notice. Last updated: 13-Sep-2017

**PCA-6011**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **系统图** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | Intel LGA775 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | C2Q/C2D |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 1066 / 1333 |  | MHz FSB |  |  |  |  |  |  |  |  |  |  |  |
|  |  | CRT |  | VGA |  |  |  |  |  |  | Channel A |  | DDR3 800/1066/1333 |  |  |  |  |
|  |  |  |  |  |  |  | G41 |  |  |  |  |  |  |  |  |  |  |  |
|  |  | DVI |  |  |  | GMCH |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | Display port |  |  |  |  |  |  | Channel B |  | DDR3 800/1066/1333 |  |  |  |  |
|  |  | (only for G2 SKU) |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | DMI |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | PCIe x1 |  |  | G-LAN1 |  |  |  |  |  |
|  |  | IDE |  | DMA 33/66/100 |  |  |  |  |  |  |  |  |  | Intel 82583V |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | PCIe x1 |  |  | G-LAN2 |  |  |  |  |  |
|  |  | 4 SATA II Ports |  | 300 MHz |  |  |  |  |  |  |  |  |  | Intel 82583V |  |  |  |  |  |
|  |  |  |  |  |  | ICH7/ |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | PCI Bus |  | PCI to ISA Bridge |  |  |  |  |
|  |  |  |  |  |  | ICH7R |  |  |  | ITE8888 |  |  |  |  |  |
|  |  | 8 USB Ports |  | USB 2.0/1.1 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | HD Audio |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | HD Audio |  |  |  |  |  |  |  |  |  | Backplane |  |  |  |  |  |
|  |  | (Optional) |  |  |  |  |  |  |  | PCI Bus |  |  |  |  |  |  |
|  |  |  |  |  |  | SPI |  |  |  |  |  |  |  | (PICMG 1.0) |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | LPC Bus |  |  |  |  |  |  |  |
|  |  |  |  |  | BIOS |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  | Super I/O |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 2 COM |  |  |  | GPIO |  |  |  |
|  |  |  |  |  |  |  |  |  |  | Winbond |  |  |  |  |
|  |  |  |  |  |  |  |  | Ports |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | 83627DHG-P |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **订购信息** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **型号** |  | **LAN** | **VGA** | **COM** |  | **SATA** |  | **S/W RAID** | **USB** | **DVI** | **CF** |  |
| PCA-6011VG-00A1E |  | Single GbE | Yes | 2 |  | 4 | - |  |  | 8 |  | No (Optional) | No (Optional) |  |
| PCA-6011G2-00A1E |  | Dual GbE | Yes | 2 |  | 4 |  | Yes | 7 |  | Yes | No (Optional) |  |
| **可选配件** |  |  |  |  |  |  |  |  |  | **配件包** |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | **型号** |  | **说明** |  |  |  |  |  |
| **型号** | **说明** |  | **数量** |  |  |  |  |  |  |  |  |  |
| 1701400452 | IDE HDD电缆 |  | x 1 |  |  |  | 1750000332 |  |  | 用于115 W TDP CPU的LGA 775 CPU冷却器 |  |
| 1700008461-11 | 带4个端口的USB电缆 |  | x 1 |  |  |  | PCA-AUDIO-HDA1E |  | 音频扩展模块 |  |  |
| 1700022749 | 串行ATA HDD电源线串行ATA | x 1 |  |  |  | 1701090401 |  |  | 单COM电缆套件 |  |  |
| 1700003194 | HDD数据线 |  | x 2 |  |  |  | PCA-COM485-00A1E | 4 x 422/485 COM模块 |  |  |
| 1700060202 | 用于PS/2鼠标和键盘Y形电缆 | x 1 |  |  |  | 1700008822-11 |  |  | DVI-D电缆 |  |  |
| 1701260305 | 打印机的COM电缆 |  | x 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9689000068 | 跳线组件 |  | x 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2190000902 | 保修卡 |  | x 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2002601110 | 启动手册 |  | x 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2062601100 | 实用CD |  | x 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



**接口图**



PCA-6011G2-00A1E PCA-6011VG-00A1E

**Online Download** www.advantech.com/products