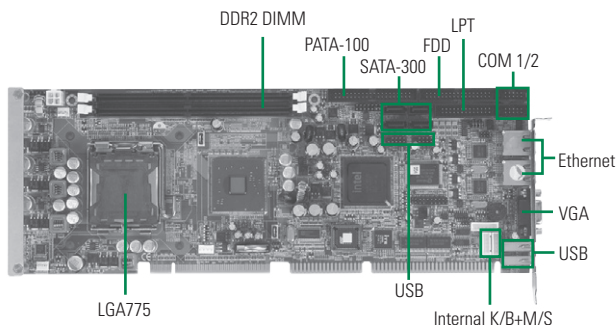


SBC81206

LGA775 Intel® Core™2 Duo Processor
PICMG 1.0 Full-size CPU Card with Intel®
945GC + ICH7/7R, VGA and Dual LANs



System

| | |
|---------------------|--|
| CPU | LGA775 socket for Intel® Core™2 Duo/ Pentium® 4/ Pentium®/Celeron® processor with FSB 533/800 MHz |
| System Memory | 2 x 240-pin DIMM support DDR2-400/533/667 max. up to 2 GB |
| Chipset | Intel® 945GC + ICH7/7R |
| BIOS | Phoenix-Award |
| SSD | IDE DoM |
| Watchdog Timer | 255 levels, 1~255 sec. |
| Expansion Interface | 4 x 32-bit PCI bus masters 16-bit ISA bus |
| Battery | Lithium 3V/220 mAh |
| Power Requirements | Intel® Core™2 Duo E4500 @2.2 GHz, 1 GB DDR2 +5V_SBY @ 24mA, +3.3V @ 130mA, +5V @ 1.486A, +12V (System) @ 951mA, -12V @ 44mA, +12V (CPU) @ 2.002A |
| Size | 338 x 122 mm |
| Board Thickness | 1.6 mm |
| Temperature | 0° ~ +60°C (32°F ~ 140°F), operation |
| Relative Humidity | 10% ~ 95% relative humidity, non-condensing |

I/O

| | |
|---------------------|--|
| MIO | 1 x IDE; PATA-100 1 x FDD 1 x PS/2 keyboard 1 x PS/2 mouse 1 x LPT; with SPP/EPP/ECP supported 1 x RS-232 (COM 1) 1 x RS-232/422/485 (COM 2) |
| SATA | 4 x SATA-300; with RAID 0/1/10/5 (optional with ICH7R) |
| Hardware Monitoring | Detect CPU/system temperature, voltage and fan speed |
| Ethernet | 2 ports as 10/100/1000Mbps support Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8111B |
| Audio | HD Codec audio as MIC-in/Line-in/Line-out/speaker-out with audio kit AX93242 (optional) |
| USB | 6 x USB 2.0 |
| SMBus | System Management Bus for advanced monitoring/control |

Display

| | |
|-------------------|------------------------------|
| Chipset | Intel® GMA 950 graphics Core |
| Memory Size | Intel® DVM 3.0 compliant |
| Display Interface | 1 x VGA |

Features

- LGA775 for Intel® Core™2 Duo/Pentium® D/Pentium® 4/ Celeron® processor with 533/800 MHz
- 2 DDR2 DIMM support up to 2 GB memory capacity
- With Intel® GMA 950 high performance integrated graphics controller
- ISA with up to 500mA high drive supported

Packing List

| Standard | | |
|--|----------------------------|-----|
| Quick installation guide, user's manual/utility CD and cable | | |
| Cable | | |
| Part Number | Description | Qty |
| 59380502000E | COM+Print cable w/ bracket | 1 |
| 593826A0000E | SATA signal cable 500 mm | 1 |

Ordering Information

| Standard | |
|--------------|---|
| SBC81206VGG | LGA775 socket PICMG 1.0 full-size CPU card with VGA, (P/N: E381206100) 2 GbE LAN |
| SBC81206VGGR | LGA775 socket PICMG 1.0 full-size CPU card with VGA, (P/N: E381206101) 2 GbE LAN and RAID |
| SBC81206VG | LGA775 socket PICMG 1.0 full-size CPU card with VGA, (P/N: E381206102) GbE LAN |
| Optional | |
| E9C900B003 | CPU LGA775 cooler (for 2U/4U/Shoebox) |
| E9C900B004 | CPU LGA775 cooler 4 pin H=61.4 mm (for 2U/4U/Shoebox) |
| E9C900B005 | CPU LGA775 cooler H=27 mm P=2.0 mm (for 1U Chassis) |
| E9C900B006 | LGA775 cooler 3p H=66.8 mm (for 2U/4U/Shoebox) |
| E9C900B007 | LGA775 slim cooler H=25 mm (for 1U Chassis) |
| 5938A808010E | 2 x USB cable with bracket, P=2.54 mm, L=190 mm |
| 59380000290E | PS/2 keyboard & mouse cable with bracket |
| E93242100 | AX93242-RC HD audio converter kit |

* This product must use a proprietary CPU cooler. we strongly recommend purchasing from Axiomtek.

