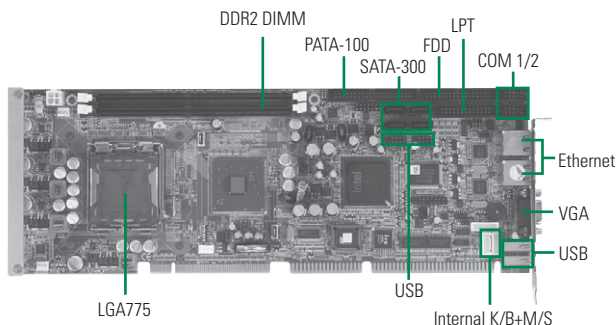


# SBC81206

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



## System

CPU	LGA775 socket for Intel® Core™2 Duo/ Pentium® 4/ Pentium®/Celeron® processors 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 T 3.0 compliant
Display Interface	1 x VGA

## Features

- LGA775 for Intel® Core™2 Duo/ Pentium® D/ Pentium® 4/ Celeron® processors 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 10/100/1000Mbps Ethernet
SBC81206VGR	LGA775 socket PICMG 1.0 full-size CPU card with VGA, (P/N: E381206101) 2 10/100/1000Mbps Ethernet and RAID
SBC81206VG	LGA775 socket PICMG 1.0 full-size CPU card with VGA, (P/N: E381206102) 10/100/1000Mbps Ethernet
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 (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.

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Industrial  
Mother-  
boards

Slot  
CPU  
Cards

Accessories

Appendix

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[SBC81206VGGR](#) [SBC81206VGG](#) [SBC81206VG](#)