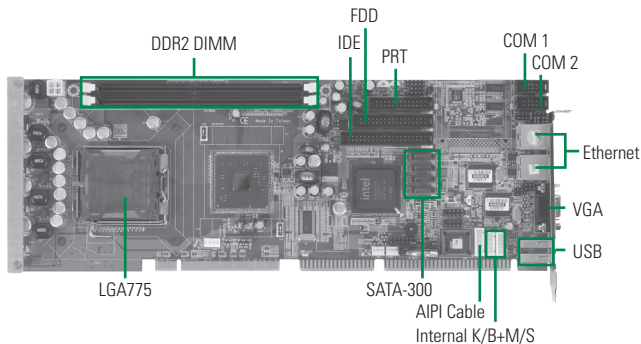


# SBC81203

LGA775 Intel® Core™2 Duo Processor  
PICMG 1.0 Full-size CPU Card with Intel®  
945G + ICH7R, VGA, Audio and Dual LANs



## System

CPU	LGA775 socket for Intel® Core™2 Duo/ Pentium® 4/ Pentium®/ Celeron® D/ Celeron® processor with FSB 533/800/1066 MHz
System Memory	2 x 240-pin DIMM support DDR2-400/533/667 max. up to 4 GB
Chipset	Intel® 945G + ICH7R
BIOS	Phoenix-Award
SSD	1 x CompactFlash™ type-II socket (optional)
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	4 x 32-bit PCI bus masters
Battery	Lithium 3V/220 mAH
Power Requirements	Intel® E6400 @2.133 GHz, 1 GB DDR2 +5V_SBY @ 23.6mA, +5V @ 3.686A, +12V (System) @ 25mA, -12V @ 26mA, +12V (CPU) @ 1.723A
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
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 Intel® 82573L
Audio	AC'97 Codec audio as MIC-in/Line-in/Line-out with Realtek ALC203
USB	6 x USB 2.0
SMBus	N/A

## 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® processor with 533/800 MHz
- 2 DDR2 DIMM support up to 2 GB memory capacity
- With Intel® GMA 950 high performance integrated graphics controller

## Packing List

### Standard

Quick installation guide, user's manual/utility CD, cable

### Cable

Part Number	Description	Qty
59380502000E	COM + Print cable w/ bracket	1
59381400000E	FDD flat cable	1
59382601000E	Ultra DMA66 IDE cable 40-pin 455 mm	1
593826A0000E	SATA signal cable 500 mm	1

## Ordering Information

### Standard

SBC81203VGGA (P/N: E381203100)	LGA775 socket PICMG 1.0 full-size CPU card with VGA, 2 GbE LAN and audio
SBC81203VGA (P/N: E381203101)	LGA775 socket PICMG 1.0 full-size CPU card with VGA, GbE LAN and audio

### Optional

E9C900B008	LGA775 slim cooler 3P H=25 mm (for 1U Chassis)
E9C900B009	LGA775 cooler 3p H=66.8 mm (for 2U/4U/Shoebbox)
E9C900B010	LGA775 Cooler 4p H=61.4 mm (for 2U/4U/Shoebbox)
593836A0030E	SATA power cable 4-pin, L=150 mm
5938A808010E	2 x USB cable with bracket, P=2.54 mm, L=190 mm
59380000450E	Audio cable with bracket, P=2.54 mm

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

