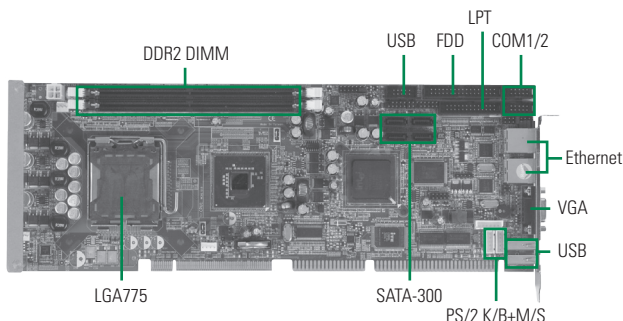


# SBC81205

LGA775 Intel® Core™2 Quad Processor  
PICMG 1.0 Full-size CPU Card with Intel®  
Q35 + ICH9, VGA and Dual LANs



## System

CPU	LGA775 socket for Intel® Core™2 Quad/ Core™2 Duo/ Celeron® processor with FSB 800/1066/1333 MHz
System Memory	2 x 240-pin DIMM support DDR2-667/800 max. up to 4 GB
Chipset	Intel® Q35 + ICH9
BIOS	Phoenix-Award
SSD	N/A
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® E5200@ 2.6 GHz, 1 GB DDR2 +5V_SBY @ 34mA, +3.3V @ 77mA, +5V @ 2.902A, +12V (System) @ 207mA, -12V @ 27mA, +12V (CPU) @ 1.318A
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 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 (COM2)
SATA	4 x SATA-300
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 Optional: 2 ports as 10/100/1000Mbps support wake-on- LAN, RPL/PXE Boot ROM with Intel 82583V
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	N/A

## Display

Chipset	Intel® GMA 3100 graphics core
Memory Size	Intel® DVM T 4.0 compliant
Display Interface	1 x VGA

## Features

- LGA775 socket for Intel® Core™2 Quad/Core™2 Duo/  
Celeron® processor with FSB 800/1066/1333 MHz
- 2 DDR2 DIMM support up to 4 GB memory
- Intel® Q35 GMCH integrated graphics media 3100
- ISA high drive supported

## 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
593826A0000E	SATA signal cable 500 mm	1

## Ordering Information

### Standard

SBC81205VGG	LGA775 socket PICMG 1.0 full-size CPU card with VGA, 2 GbE LAN (RTL8111B) and 6 USB (P/N: E381205100)
SBC81205VG	LGA775 socket PICMG 1.0 full-size CPU card with VGA, 1 GbE LAN (RTL8111B) and 6 USB (P/N: E381205101)
SBC81205VGG	LGA775 socket PICMG 1.0 full-size CPU card with VGA, 2 GbE LAN (Intel® 82583V) and 6 USB (P/N: E381205105)
SBC81205VG	LGA775 socket PICMG 1.0 full-size CPU card with VGA, 1 GbE LAN (Intel® 82583V) and 6 USB (P/N: E381205106)

### Optional

E9C900B003	CPU LGA775 cooler (for 2U/4U/Shoobox)
E9C900B004	CPU LGA775 cooler 4-pin H=61.4 mm (for 2U/4U/Shoobox)
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/Shoobox)
E9C900B007	LGA775 slim cooler H=25 mm (for 1U Chassis)
593826A0000E	SATA signal cable 500 mm
593836A0030E	4-pin power cable to SATA x 2, L=150 mm
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.