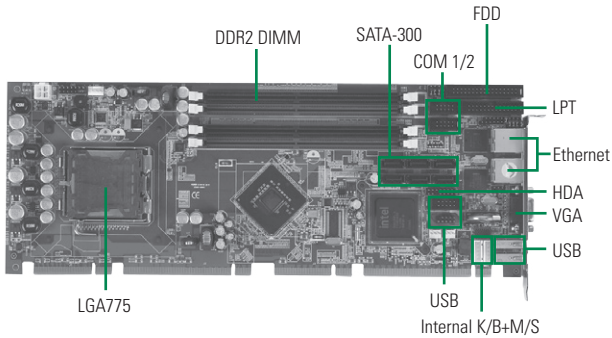


# SHB101

LGA775 Intel® Core™2 Quad/Core™2 Duo & Celeron® Processor PICMG 1.3 Full-size CPU Card with Intel® Q35 + ICH9R, VGA, Dual LANs and RAID



## Features

- LGA775 for Intel® Core™2 Quad/Core™2 Duo and Celeron® processor with 800/1066/1333 MHz
- 4 DDR2 DIMM support up to 8 GB memory capacity
- 6 SATA-300 with RAID 0, 1, 10 and 5
- 10 USB 2.0 ports

## System

CPU	LGA775 socket for Intel® Core™2 Quad/Core™2 Duo & Celeron® processor with FSB 800/1066/1333 MHz
System Memory	4 x 240-pin DIMM support DDR2-667/800 max. up to 8 GB
Chipset	Intel® Q35 + ICH9R
BIOS	Phoenix-Award
SSD	N/A
Watchdog Timer	255 levels, 1-255 sec.
Expansion Interface	1 x PCIe x16 graphics port supports for SDVO or PCIe x1 devices 4 x PCIe lanes support 1 PCIe x4 or 4 PCIe x1 I/O devices 4 x 32-bit PCI bus masters 16-bit ISA
Battery	Lithium 3V/220 mAH
Power Requirements	Intel® E6400 @2.133 GHz , 1 GB DDR2 +5V_SBY @ 43mA, +3.3V @ 750mA, +5V @ 2.405A, +12V (System) @ 125mA, -12V @ 28mA, +12V (CPU) @ 2.013A
Size	338 x 126 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	6 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	HD Codec audio as MIC-in/Line-in/Line-out/speaker-out with audio kit AX93242 (optional)
USB	10 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control

## Display

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

## Packing List

### Standard

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

### Cable

Part Number	Description	Qty
59380502000E	COM + Print cable w/ bracket	1
593826A0000E	SATA signal cable 500 mm	1

## Ordering Information

### Standard

SHB101VGG (P/N: E38C101100)	LGA775 socket PICMG 1.3 full-size CPU card with VGA, 2 GbE LAN and 10 USB 2.0
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### Optional

593836A0030E	4-pin power cable to SATA x2, L=150 mm
5938A808010E	2 x USB cable with bracket, P=2.54 mm, L=190 mm
E93242100	AX93242-RC HD audio converter kit
5938000290E	PS/2 keyboard & mouse cable with bracket
E9C900B008	LGA775 slim cooler 3P H=25 mm (for 1U Chassis)
E9C900B009	LGA775 cooler 3p H=66.8 mm (for 2U/4U/Shoebox)
E9C900B010	LGA775 cooler 4p H=61.4 mm (for 2U/4U/Shoebox)

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