

# SBC

## PSB-701LF

Socket 775 Intel® Core 2  
Duo/ Core 2 Quad  
PICMG 1.3 CPU Card w/  
VGA/Sound/2LAN

### Features and Benefits:

- Support Intel® Core 2 Quad, Core 2 Duo and Celeron® processors
- Equipped with Intel® Q35 Chipset with FSB 1333MHz
- Memory Supports DDRII 800 SDRAM up to 4GB
- Supports 2 x 10/100/1000 Mbps Ethernet Connection, PICMG 1.3 compliance
- Supports Intel AMT
- Supports Trusted Platform Module Applications such as ATM, multimedia systems, digital image storage servers and more



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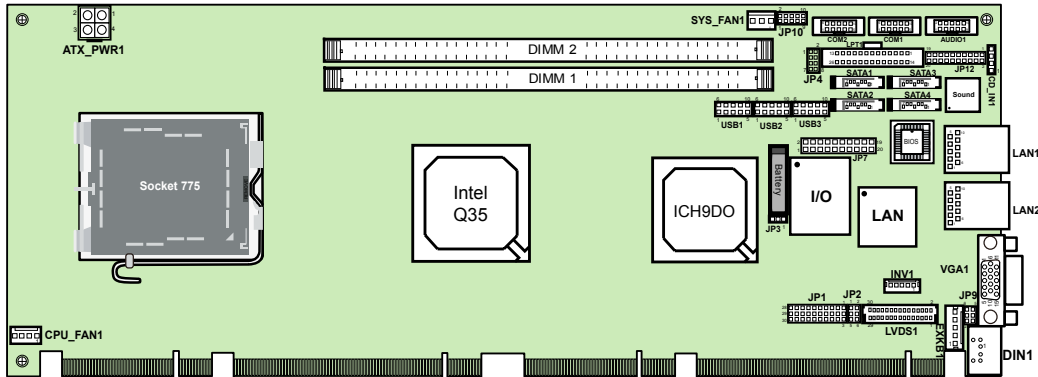
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ISO CERTIFIED  
9001 14001

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Socket 775 Intel® Core 2 Duo/ Core 2 Quad PICMG 1.3  
CPU Card w/ VGA/Sound/2LAN



## Specifications

<b>System</b>	
<b>CPU Type</b>	Intel® Core 2 Quad/ Core 2 Duo/ Celeron CPU with LGA775 CPU socket. (support Intel 65nm, 45nm Process Technology CPU)
<b>CPU Frequency</b>	Core 2 Quad: 2.4~2.66GHz Core 2 Duo: 1.8~3.0GHz Celeron: 1.6~2.0GHz
<b>Chipset</b>	Intel® Q35 + ICH9DO (FSB: 800/1066/1333MHz)
<b>DRAM</b>	2 x 240-Pin DDR2 DIMM, support Dual channel memory architecture and DDR2 667/800MHz up to 4GB
<b>BIOS</b>	Phoenix-Award PnP BIOS, with 32MB SPI flash
<b>Watchdog</b>	1~255 secs Watchdog timer selectable Clear/Reset/NMI
<b>Power Supply</b>	Support ATX power
<b>Power Requirement</b>	+5V, +12V, +3.3V, +5Vsb
<b>Power Consumption</b>	+5V:3.3A, +12V:5.63A, +3.3V:1.64A, 5VSB:0.26A (USE INTEL CORE 2 QUAD Q6700 2.66GHz)
<b>Dimension</b>	338.5 mm x 126 mm (13.33" x 4.96")

## I/O Chipset

<b>SATA Interface</b>	4 x S-ATA II connector (Raid 0,1,10,5)
<b>TPM</b>	TPM1.2 1 with 20-pin header on board for TPM (Trusted Platform Module)
<b>Serial Port</b>	2 x COM ports, COM1 for RS232, COM2 for RS232/422/485 (for 16550 compatible type of UART)
<b>Keyboard</b>	Mini DIN connector or external connector
<b>Mouse</b>	Mini DIN connector or external connector

<b>LAN</b>	LAN 1: Intel® 82566DM (10/100/1000 Mbps) LAN 2: Intel® 82573L (10/100/1000 Mbps) Support Wake-on-LAN with ATX power
<b>Audio</b>	High Definition Audio Realtek ALC262A with 10-pin header for Line-in/Line-out/MIC
<b>USB</b>	6 x USB 2.0

## Display

<b>Graphic</b>	Built-in Intel® Q35, share system memory support CRT, LVDS (LVDS transfer from SDVO)
<b>LCD Interface</b>	18/24-bit LVDS

## Environment

<b>OperationTemp.</b>	0°~60°C(32°~140°F)
<b>Storage Temp.</b>	-40°~85°C(-40°~185°F)
<b>Humidity</b>	Operation humidity 20~90%, Storage humidity 20~95%

## Ordering Information

<b>PSB-701LF</b>	PICMG 1.3 Intel® LGA 775 CPU w VGA/ SATA/ Audio/ LAN(1G)/2 x COM (RoHS)
<b>Certificate: CE, FCC CLASS A</b>	

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