

# SHB100

LGA775 Intel® Core™2 Duo PICMG 1.3 Full-size SBC  
with CRT/LAN/Audio

1

Industrial PCs



Industrial Motherboards

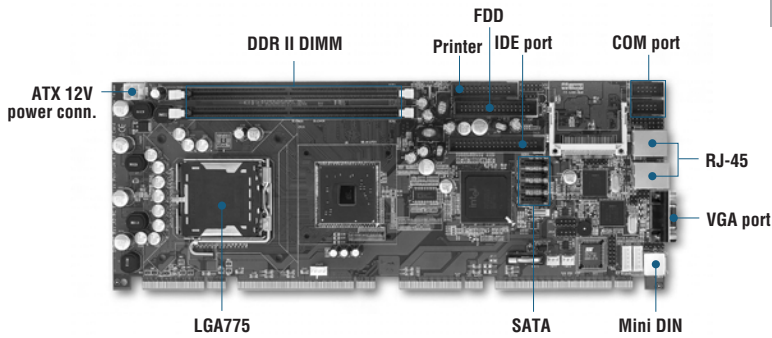
PICMG Single Board Computers

Backplanes

Industrial Computer Chassis

Power Supplies

Peripherals & Accessories



## Features

- ▶ LGA775 socket for Intel® Core™2 Duo/Pentium® D/ Pentium® 4/Celeron® D desktop processor with FSB 533/800/1066 MHz
- ▶ Intel® 945G+ICH7/DH chipset
- ▶ Two DDR2 DIMM slots support 4GB memory capacity
- ▶ Four Serial ATA ports support data transfer rate up to 3Gb/s with RAID 0/1/5 option

## System

|                    |   |
|--------------------|---|
| CPU                | LGA775 socket for Intel® Core™2 Duo/Pentium® D/ Pentium® 4/Celeron® D desktop processor with FSB 533/800/1066 MHz |
| System Memory      | 2 x 240-pin DDR2 533/667 DIMM max. up to 4GB  |
| Chipset            | Intel® 945G+ICH7/DH   |
| BIOS               | Phoenix-Award BIOS  |
| SSD                | CompactFlash™ type-II socket  |
| Watchdog Timer     | Reset supported, 1-255 levels   |
| Size               | 338 x 126mm   |
| Temperature        | Operating temperature: 0° to 60°C (differentiated by CPU)<br>Storage temperature: -20° to 80°C                    |
| Operation Humidity | 10%~95% relative humidity, non-condensing   |

## Packing List

- Serial ATA power cable x 1
- Serial ATA cable x 1
- Jumper pack x 15
- Quick manual x 1
- Utility CD x 1

## I/O

|            |  |
|------------|--|
| MIO        | 1 x FDD, 1 x K/B+M/S, 1 x RS-232, 1 x RS-232/422/485, 1x parallel port |
| Ethernet 1 | Intel® 82573L supports 10/100/1000 Mb/s                                |
| Ethernet 2 | Intel® 82573L supports 10/100/1000 Mb/s                                |
| Audio      | Realtek ALC203 with AC'97 audio  |
| USB        | 4 USB 2.0 ports  |
| SATA       | Four 3Gb/s SATA ports (RAID 0/1/5 optional)                            |

## Ordering Information

| Standard     |   |
|--------------|---|
| SHB100VGGA   | LGA775 socket Intel® Core™2 Duo PICMG 1.3 full-size SBC with VGA, audio, dual Gigabit LAN |
| SHB100VGA    | LGA775 socket Intel® Core™2 Duo PICMG 1.3 full-size SBC with VGA, audio, Gigabit LAN      |
| Optional     |   |
| E9C900B001   | LGA775 P4 cooler 3 Pin H:66.8mm (RC)  |
| 593826A0000E | SATA signal cable 500mm (Red RC)  |
| 593836A0030E | 4-pin power cable to SATAx2 L=150mm (RC)  |
| 5938A808010E | 2-port USB cable (190mm)  |
| 59383600000E | Audio cable   |

## Display

|             |   |
|-------------|---|
| Chipset     | Integrated in Intel® 945G GMCH                      |
| Memory Size | Max. up to 192MB frame buffer sharing system memory |
| Resolution  | Up to 2048 x 1536 at 75Hz refresh                   |