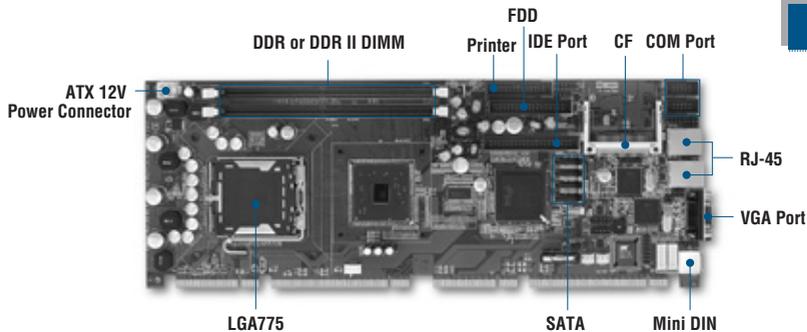


SHB100

LGA-775 Socket Intel® Core 2 Duo/Pentium® D/Pentium® 4/Celeron® D
PICMG 1.3 Full-size SBC with CRT/LAN/Audio

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Industrial PCs



Specifications

Processor/Cache (LGA-775)	Intel® Core 2 Duo desktop processor up to up-to-date frequency with L2 cache integrated in CPU Intel® Pentium® D desktop processor up to up-to-date frequency with L2 cache integrated in CPU Intel® Pentium® 4 desktop processor up to up-to-date frequency with L2 cache integrated in CPU Intel® Celeron® D ULV mobile processor up to up-to-date frequency with L2 cache integrated in CPU
Chipset	Intel® 82945G+ICH7-R
FSB Speed	533/800/1066MHz
Bus interface	PICMG 1.3 full-size CPU card
System Memory	Two DDR2 DIMM sockets onboard support DDR2 533/667 The maximum memory capacity could be up to 4GB (Unbuffered DIMM)
BIOS	Award 4Mbit PnP Flash BIOS
EIDE	One ATA66/100/133 channel for a total of two IDE devices
Super I/O	Controller: Winbond W83627HG-AW Serial ports: 2 ports for RS-232 (COM2) and 1 port for RS-232/422/485 (COM1) Parallel port: One bi-directional with ECP/EPP/SPP support Floppy controller: Supports two drives (1.44MB for each)
USB	Four USB 2.0 high speed compliant
Serial ATA	Supports serial ATA/serial ATA II Four serial ATA channels for a total of four serial ATA hard drives Maximum transfer rate could be up to 300MB/sec Integrated in Intel® 945G (for CRT only)
Display	
Ethernet	LAN1/LAN2: Intel® 82573E Ethernet controller supports 10/100/1000Mb (for SHB100V2G only) LAN1: Intel® 82573E Ethernet controller supports 10/100/100Mb (for SHB100VG only) LAN1: Intel® 82562ET Ethernet controller supports 10/100Mb (for SHB100VE only) Dual PCI-Express LAN Wake On LAN support PXE 2.0 function (optional function)
Connectors	RJ-45 connector: 2 ports for SHB100V2G/1 Port for SHB100VG/VE SATA port: 4 x SATA II connector Box-header: 2 x serial port (2 x 5-pin); 1 x parallel port (2 x 13-pin); 1 x FDD (2 x 17-pin); 1 x EIDE (2 x 20-pin); 4 x USB port (2 x 5-pin) Power connector: 2 x 2-pin for 12V connector Keyboard/Mouse: 5-pin wafer connector x 2 for mouse or keyboard D-Sub connector: DB-15 For VGA; fan connector x 3 for CPU/system/chassis; 1 x 4-pin for CPU; 1 x 3-pin for system/chassis

Features

- ▶ LGA-775 socket for Intel® Core 2 Duo/Pentium® D/Pentium® 4/Celeron® D desktop processor with FSB 533/800/1066 MHz
- ▶ Two 240-pin DDR2 DIMM slots onboard support up to 4GB memory capacity
- ▶ Four Serial ATA ports support data transfer rate up to 300MB/s
- ▶ CompactFlash™ Type II socket onboard

Specifications

Onboard SSD	One CompactFlash™ Type-II Socket
Audio	Realtek ALC202A Audio codec on board
Hardware Monitoring	Controller: Winbond W83627HF-AW Detection of CPU temperature, system temperature, power failure and fan speed
Watchdog Timer	System reset or non-maskable interrupt software programmable time interval and jumper selectable (1-256 level)
OS Compatibility	Windows® 2000, Windows® XP, Novell Netware, Linux Red Hat
Mechanical	338 x 126.39mm 8 layer PCB Compliant to PICMG Rev 1.3 standards
Environmental	Operating Temperature: 0° ~60°C (32°~140°F) Depend on CPU Relative Humidity: 95%, non-condensing at temperature of 40°C or 104°F

Ordering Information

Models	Description
SHB100V2G	LGA-775 socket Intel® Core 2 Duo/Pentium® D/Pentium® 4/Celeron® D PICMG 1.3 full-size SBC w/ VGA, audio, dual PCI-E LAN
SHB100VG	LGA-775 socket Intel® Core 2 Duo/Pentium® D/Pentium® 4/Celeron® D PICMG 1.3 full-size SBC w/ VGA, audio, one PCI-E LAN
SHB100VE	LGA-775 socket Intel® Core 2 Duo/Pentium® D/Pentium® 4/Celeron® D PICMG 1.3 full-size SBC w/ VGA, audio, 10/100 base-T LAN

Packing List

Description
FDD cable x 1
IDE HDD cable x 1
Serial ATA cable x 1
Jumper pack x 1
Quick manual x 1
Utility CD x 1



Industrial Motherboards

PICMG Single Board Computers

Backplanes

Industrial Computer Chassis

Power Supplies

Rackmount Peripherals & Accessories