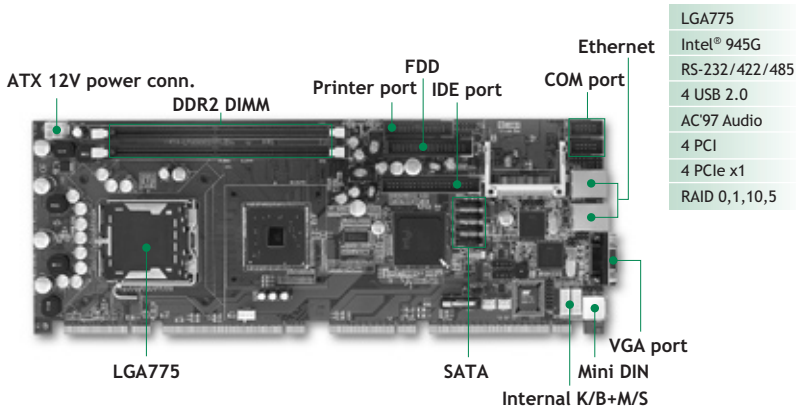


SHB100

LGA775 Intel® Core™2 Duo PICMG 1.3 Full-size CPU Card with Intel® 945G+ICH7R Chipset, VGA, Dual LANs and Audio



System

CPU	LGA775 socket for Intel® Core™2 Duo /Pentium® D/ Pentium® 4/Celeron® processor with 533/800/1066 MHz
System Memory	2 x 240-pin DDR2-533/667 DIMM max. up to 4 GB
Chipset	Intel® 945G+ICH7R
BIOS	Phoenix-Award BIOS
SSD	1 x CompactFlash™ type-II socket
Watchdog Timer	255 levels, 1-255 sec.
Expansion Interface	* PCIe x16 via SHB Connector-A & B * PCIe x4 (or 4 PCIe x1) via SHB Connector-A * PCI with 4 bus masters via SHB Connector-D
Battery	Lithium 3V/196mAh
Size	338 x 126mm
Temperature	0° C - +60° C (32° F - 140° F), operation
Operation Humidity	10% - 95% relative humidity, non-condensing

I/O

MIO	1 x IDE; PATA-100 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 with RAID 0/1/10/5
Hardware Monitoring	Support CPU/System temperature, CPU/System voltage, and CPU/System Fan features
Ethernet	* 1st port as 10/100/1000Mbps supports Wake-on-LAN with Intel® 82573L * 2nd port as 10/100/1000Mbps supports Wake-on-LAN with Intel® 82573L
Audio	AC'97 Codec audio as MIC-in/Line-in/Line-out/ Speaker-out with Realtek ALC203 Codec (for SHB100VGGGA only)
USB	4 USB 2.0 (with pin-headers)
SMBus	N/A

Features

- LGA775 for Intel® Core™2 Duo/Celeron® processor with 533/800/1066 MHz
- 2 DDR2 DIMM support up to 4 GB memory
- With Intel® GMA950 high performance integrated graphics controller
- 4 SATA-300 with RAID 0, 1, 10 and 5

Display

Chipset	Intel® 945G GMCH GMA950 integrated graphics engine
Memory Size	Dedicated frame buffer up to 8MB and DVMT up to 192MB
Resolution	* VGA up to 2048 x 1536 @ 75 Hz with 32-bit color * SDVO single-channel mode each ports up to 1600 x 1200 @ 60 Hz or dual-channel mode up to 2048 x 1536 @ 75 Hz or dCRT/HDTV up to 1920 x 1080 @ 85 Hz
Output Interface	VGA with D-sub 15-pin connector

Packing List

Standard			
Quick installation guide, user's manual/utility CD, cable			
Cable			
Part Number	Description	SHB100VGGGA Qty	SHB100VGA Qty
59380502000E	COM + Print cable w/ bracket	1	1
59381400000E	FDD flat cable	1	1
59381560000E	Mini DIN Y-cable for PS/2 K/B + M/S	1	1
59382601000E	Ultra DMA66 IDE cable 40P 255mm	1	1
593826A0000E	SATA signal cable 500mm	2	2
593836A0030E	SATA power cable 150mm	1	1

Ordering Information

Standard	
SHB100VGGGA	LGA775 socket PICMG 1.3 full-size CPU card (P/N: E38C100103) with VGA, 2 10/100/1000Mbps and audio
SHB100VGA	LGA775 socket PICMG 1.3 full-size CPU card (P/N: E38C100104) with VGA, 10/100/1000Mbps and audio
Optional	
E9C900B001	LGA775 P4 cooler 3-pin H: 66.8mm

SBC Services and Solutions

System-on-a-Module Solutions

Embedded SBCs > 5.25" Petit

Embedded SBCs > EPIC

Embedded SBCs > 3.5" Capa

Embedded SBCs > Pico-ITX

Embedded SBCs > PC/104

Industrial Motherboards

Slot CPU Cards

Accessories

Appendix