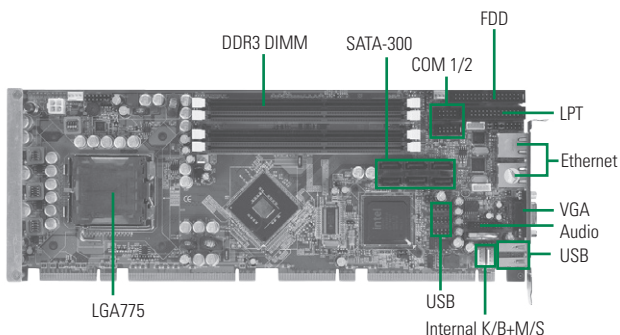


SHB102

LGA775 Intel® Core™2 Quad/Core™2 Duo & Celeron® Processor PICMG 1.3 Full-size CPU Card with Intel® Q45 + ICH10DO, Dual LANs, iAMT and iTPM



System

CPU	LGA775 socket for Intel® Core™2 Quad/ Core™2 Duo and Celeron® processor with FSB 800/1066/1333 MHz
System Memory	4 x 240-pin DIMM support DDR3-800/1066 max. up to 8 GB
Chipset	Intel® Q45 + ICH10DO
BIOS	AMI BIOS
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/196 mAH
Power Requirements	Intel® Q9400 @2.66 GHz, 2 GB DDR3 +5V_SBY @ 502mA, +3.3V @ 921mA, +5V @ 2.283A, +12V (System) @ 362mA, -12V @ NA, +12V (CPU) @ 2.392A
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 (COM 2)
SATA	6 x SATA-300 with RAID 0/1/10/5
Hardware Monitoring	Detect CPU/system temperature, voltage and fan speed
Ethernet	1st port as 10/100/1000Mbps supports iAMT, Wake-on-LAN, RPL/PXE Boot ROM with Intel® 82567LM 2nd port as 10/100/1000Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Intel® 82574L
Audio	HD Codec audio as MIC-in/Line-in/Line-out/speaker-out with Realtek ALC888
USB	12 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control

Features

- LGA775 for Intel® Core™2 Quad/ Core™2 Duo and Celeron® processor with 800/1066/1333 MHz
- 4 DDR3-800/1066 DIMM support up to 8 GB
- Intel® GMA X4500 high performance integrated graphics controller with DX10 and OpenGL 2.1
- 6 SATA-300 with RAID 0, 1, 10 and 5
- Intel® AMT & TPM supported
- Supports PCI Express 2.0 x16

Display

Chipset	Intel® GMA X4500 graphics core
Memory Size	Intel® DVMT 5.0 compliant
Display Interface	1 x VGA

Packing List

Standard		
Quick installation guides, 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	
SHB102VGGA (P/N: E38C102100)	LGA775 socket PICMG 1.3 full-size CPU card with VGA, 2 GbE LAN, iAMT, iTPM, RAID and Audio

Optional	
593836A0030E	4-pin power cable to SATA x 2, L=150 mm
5938A808010E	2 x USB cable with bracket, P=2.54 mm, L=190 mm
59384500100E	Audio cable P=2.0 mm, L=450 mm
59380002900E	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/Shoebbox)
E9C900B010	LGA775 cooler 4p H=61.4 mm (for 2U/4U/Shoebbox)

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

SBC Services and Solutions

Systems on Modules

Embedded SBCs >EPIC

Embedded SBCs >3.5" Capa

Embedded SBCs >Nano-ITX

Embedded SBCs >Pico-ITX

Embedded SBCs >PC/104

Industrial Motherboards

5 Slot CPU Cards

ARM Embedded Boards

Accessories

Appendix