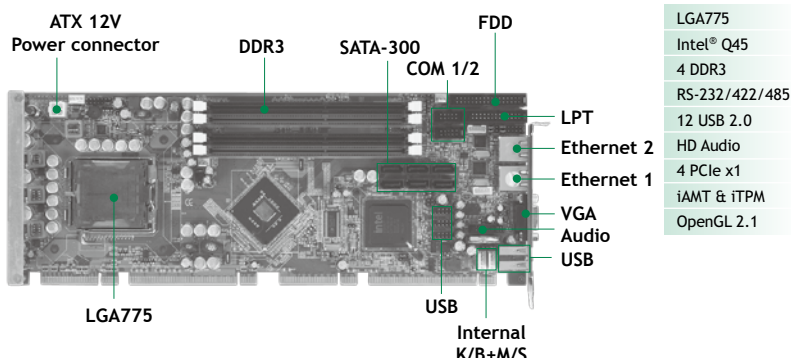


SHB102

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

4

Embedded Boards & SoMs



Features

- LGA775 for Intel® Core™2 Quad/Core™2 Duo/Celeron® processor with 800/1066/1333 MHz
- Intel® Q45 + ICH10DO chipset
- 4 DDR3-800/1066 DIMM support up to 16GB
- With Intel® GMA X4500 high performance integrated graphic controller with DX10 and OpenGL 2.1
- RAID 0, 1, 10 and 5
- Intel® AMT & TPM supported
- Supports PCI Express 2.0 x16

System

CPU	LGA775 socket for Intel® Core™2 Quad/ Core™2 Duo/ Celeron® processors with FSB 800/1066/1333 MHz
System Memory	4 x 240-pin DIMM supports DDR3-800/1066 max up to 16GB
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 1 x PCIe x4 for 1 x PCIe x4 or 4 x PCIe x1 I/O devices 4 x 32-bit PCI bus masters
Battery	Lithium 3V/196 mAh
Size	338 x 12 6mm
Temperature	0°C - +60°C (32°F - 140°F), operation
Operation Humidity	10% - 95% relative humidity, non-condensing

Display

Chipset	Intel® GMA X4500 graphics Core
Memory Size	Intel® DVM 5.0 compliant
Display Interface	1 x VGA

Packing List

Standard		
Quick installation guides, user's manual/utility CD, cable		
Cable		
Part Number	Description	SHB102VGGA Qty
59380502000E	COM + Print cable w/ bracket	1
593826A0000E	SATA signal cable 500mm	1

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	1 st port as 10/100/1000Mbps supports iAMT, Wake-on-LAN, RPL/PXE Boot ROM with Intel® 82567LM 2 nd 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 ports
SMBus	System Management Bus for advanced monitoring/control

Ordering Information

Standard	
SHB102VGGA (P/N: E38C102100)	LGA775 socket PICMG 1.3 full-size CPU card with VGA, 2 10/100/1000Mbps, iAMT, iTPM, RAID and Audio
Optional	
593836A0030E	4-pin power cable to SATA x 2, L=150mm
5938A808010E	2 x USB port cable, L=190mm
59384500100E	Audio cable P=2.0, L=450mm
59380000290E	PS/2 keyboard & mouse cable with bracket