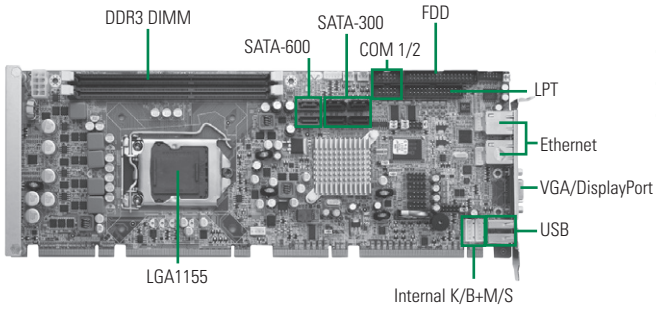
SHB106

LGA1155 Intel® Core™ i7/ i5 /i3 PICMG 1.3 Full-size CPU Card with Intel® Q67 PCH, VGA, Dual LANs and Audio



DDR3

Features

- LGA1155 socket for Intel® Core™ i7/ i5/ i3 processors
- 2 DDR3-1066/1333 DIMM support up to 16 GB memory capacity
- Intel® AMT 7.0 & TPM supported
- 2 SATA-600 supported
- PCIe Gen2 at 5GT/s supported

System

CPU	LGA1155 socket for Intel® Core™ i7/ i5 /i3 processors
System Memory	2 x 240-pin DIMM support DDR3-1066/1333 max. up to 16 GB
Chipset	Intel® Q67 PCH
BIOS	AMI UEFI BIOS
SSD	N/A
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCIe x16 graphics port support 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
Battery Lithium	3V/220mAH
Power Requirements	Intel® Core™ i5-2400 @ 3.1 GHz, 4 GB DDR3 +5V SBY @ 6.2mA, +3.3 @ 0.8A, +5V @ 1.34A, +12V @ 2.94A, -12V @ 0.08A
Size	338 x 126 mm
BoardThickness	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-232/422/485 (COM 1) 1 x RS-232 (COM 2)
SATA	2 x SATA-600/s & 4 x SATA-300/s with RAID 0/1/10/5
Hardware Monitoring	Supports CPU/System temperature, CPU/System voltage, and CPU/System Smart Fan features
Ethernet	1st port 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM, iAMT with Intel® 82579LM 2nd port 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® 82574L
Audio	HD Codec audio as MIC-in/Line-in/Line-out/Speaker-out with Realtek ALC662
USB	14 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
TPM	Infineon SLB9635 for trusted platform

Display

Chipset	Intel® HD graphics
Memory Size	Max. up to 352MB frame buffer dedicated memory
Display Interface	1x VGA 1x DisplayPort (optional)

Packing List

Standard

Quick installation guide, 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

SHB106VGGA (P/N: E38C106100)	LGA1155 socket PICMG 1.3 full-size CPU card with VGA, 2 10/100/1000Mbps Ethernet, audio and BIOS x4
SHB106PGGA (P/N: E38C106101)	LGA1155 socket PICMG 1.3 Full-size CPU card with DisplayPort, 2 10/100/1000Mbps Ethernet, audio and BIOS x4
SHB106VGGA (P/N: E38C106102)	LGA1155 socket PICMG 1.3 Full-size CPU card with VGA, 2 10/100/1000Mbps Ethernet, audio and BIOS x1
SHB106PGGA (P/N: E38C106103)	LGA1155 socket PICMG 1.3 Full-size CPU card with DisplayPort, 2 10/100/1000Mbps Ethernet, audio and BIOS x1

Optional

59384500100E	Audio cable w/ bracket, P=2.0 L=450 mm
5938A808010E	2 x USB cable with bracket, P=2.54 mm, L=190 mm
593836A0030E	4-pin power cable to SATA x 2, L=150 mm
59380000290E	PS/2 keyboard and mouse cable with bracket
E9B900C000	LGA1156 cooler 4-pin H: 61.4 mm
50761222000E	LGA1156 2U cooler 3-pin H=68.8 mm

* Discrete graphic card is necessary for display if the chosen CPU doesn't have integrated graphics support.

* All specifications and photos are subject to change without notice.

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Axiomtek:
SHB106VGGA