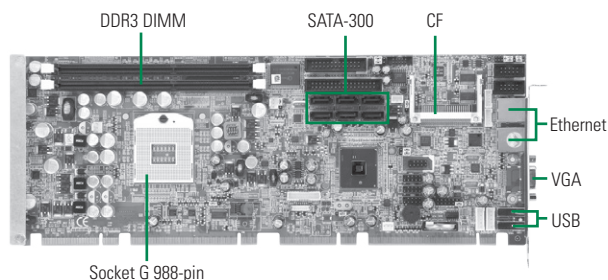


SHB111

PICMG 1.3 Full-size CPU Card with Socket G Intel® Core™ i7/i5/i3 & Celeron® Processor, Intel® QM57, VGA, LVDS, Dual LANs and Audio

Features

- Socket G Intel® Core™ i7/i5/i3 and Celeron® processor
- 2 DDR3-800/1066 DIMM, up to 8GB
- 6 SATA-300 with RAID 0/1/5/10
- Intel® AMT & TPM supported (optional)



Core System

CPU	Socket G Intel® Core™ i7/i5/i3 and Celeron® processor
System Memory	2 x 240-pin DDR3-800/1066 DIMM, up to 8GB
Chipset	Intel® QM57
BIOS	AMI UEFI BIOS
SSD	1 x CompactFlash™
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 for 1 x PCIe x4 or 4 x PCIe x1 I/O devices 4 x 32-bit PCI bus masters
Battery	Lithium 3V/220 mAH
Power Requirements	Intel® Core™ i7-620M @2.66 GHz, 1 GB DDR3 +5V_SBY @ 63.52mA, +3.3V @ 842mA, +5V @ 869mA, +12V @ 2.178A
Size	338 x 126 mm
Board Thickness	1.6 mm
Temperature	0°C ~ +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 & 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 support Smart Fan control
Ethernet	1st port as 10/100/1000 Mbps supports iAMT, Wake-on-LAN, RPL/PXE Boot ROM with Intel® 82577LM 2nd port as 10/100/1000 Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Intel® 82583V
Audio	HD Codec audio as MIC-in/Line-in/Line-out/ Speaker-out with Realtek ALC662
USB	14 x USB 2.0
TPM	Infineon SLB9635 for trusted platform
SMBus	System Management Bus for advanced monitoring/control

Display

Chipset	Intel® HD Graphics
Memory Size	Intel® DVMT 5.0 compliant
Display Interface	1 x VGA 1 x LVDS; 18/24-bit single/dual channel

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
5078C111100E	CPU PM989 cooler	1

Ordering Information

Standard

SHB111VGGA (P/N: E38C111100)	PICMG 1.3 full-size CPU card with socket G Intel® Core™ i7/i5/i3 & Celeron® processor, VGA, LVDS, 2 GbE LANs, audio and BIOS x1
SHB111VGGGA (P/N: E38C111102)	PICMG 1.3 full-size CPU card with socket G Intel® Core™ i7/i5/i3 & Celeron® processor, VGA, LVDS, 2 GbE LANs, audio and BIOS x4

Optional

59384500100E	Audio cable w/ bracket, P=2.0 mm, 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

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