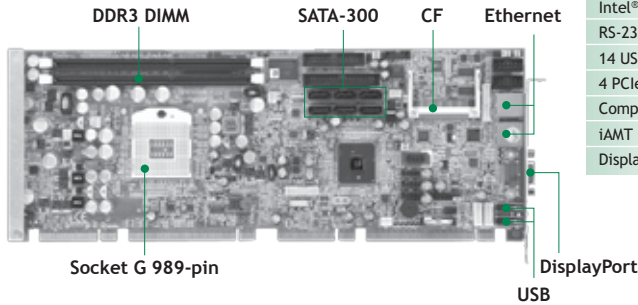


SHB111

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



- Intel® Core™ i5/i7
- Socket G
- Intel® QM57
- RS-232/422/485
- 14 USB 2.0
- 4 PCIe x1
- CompactFlash™
- iAMT & TPM
- DisplayPort

Features



- Socket G for Intel® Core™ i5/i7 processor
- Intel® QM57 chipset
- 2 DDR3 800/1066 DIMM support up to 8GB memory capacity
- Intel® iAMT & TPM supported
- DisplayPort

System

CPU	Socket G for Intel® Core™ i5/i7 processor
System Memory	2 x 240-pin DDR3 800/1066 DIMM max. up to 8GB
Chipset	Intel® QM57
BIOS	AMI EFI BIOS
SSD	1 x CompactFlash™
Watchdog Timer	255 levels, 1-255 sec.
Expansion Interface	* PCIe x16 via SHB connector-A & B * PCIe x4 (or 4 x 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 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	Support 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 82577LM *2nd port 10/100/1000 Mbps supports Wake-on-LAN, 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; 2 ports on the rear I/O; 8 ports with pin-headers; 4 ports via SHB Connector-C
TPM 1.2	Infineon SLB9635 for trusted platform
SMBus	System Management Bus for advanced Monitoring/control interface

Display

Chipset	Intel® Core™ i5/ i7 processor integrated graphics engine
Memory Size	Max. up to 1GB frame buffer dedicated memory
Resolution	VGA up to 2048 x 1536 @ 75 Hz with 32-bit color LVDS (24 bits single/dual channel) up to 1600 x 1200
Output Interface	VGA with D-Sub 15-pin connector DisplayPort co-layout with CRT connector LVDS with 40-pin JST connector

Packing List

Standard			
Quick installation guide, user's manual/utility CD, cable			
Cable			
Part Number	Description	SHB111VGGA Qty	SHB111VG Qty
59380502000E	COM + Print cable w/ bracket	1	1
593826A0000E	SATA signal cable 500mm	1	1

Ordering Information

Standard	
SHB111VGGA (P/N:E38C111100)	Socket G Intel® Core™ i5/ i7+QM57 PICMG 1.3 full-size CPU card with VGA, LVDS, 2 10/100/1000Mbps, and audio
SHB111PGGA (P/N:E38C111101)	Socket G Intel® Core™ i5/ i7+QM57 PICMG 1.3 full-size CPU card with DisplayPort, LVDS and 10/100/1000Mbps

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