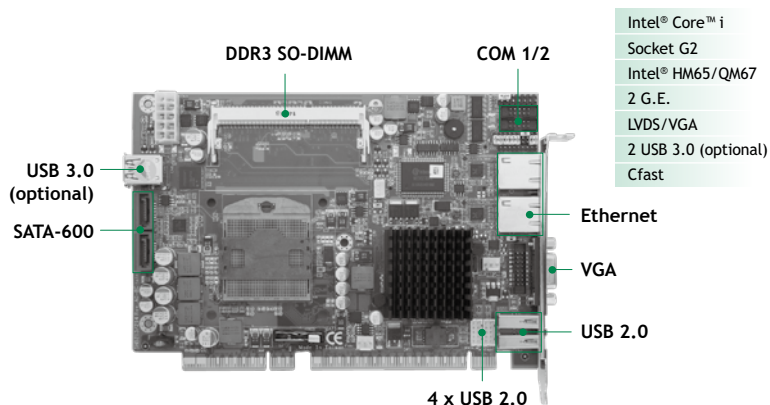


# SHB213

Socket G2 Intel® Core™ i7/ i5/ i3/ Celeron® PICMG 1.3 Half-size CPU Card with Intel® HM65 Chipset, VGA, SATA3, USB 3.0 and Dual LANs



## System

CPU	Socket G2 (rPGA988B) 2 <sup>nd</sup> generation Intel® Core™ i7/ i5/ i3/ Celeron® processor
System Memory	2 x 204-pin DDR3 1066/1333 SO-DIMM max. up to 8 GB
Chipset	Intel® HM65 chipset (optional Intel® QM67)
BIOS	AMI
SSD	1 x CFast
Watchdog Timer	225 levels, 1-255 sec.
Expansion Interface	1 x PCIe x16 1 x PCIe x4 or 4 x PCIe x1
Battery Lithium	3v/220 mAh
Power Requirements	Intel® Core™ i7-2710QE @ 2.1 GHz, 8GB DDR3 +5VSTB @ 25mA +12V @ 4.5A +3.3V @ 2.3A
Size	185 x 126mm
Board Thickness	1.6 mm
Temperature	0°C - +60°C (32°F - 140°F), operation
Operation Humidity	10% - 95% relative humidity, on-condensing

## I/O

MIO	1 x RS-232/422/425 (COM 1) 1 x RS-232 (COM 2)
SATA	2 x SATA-600 (straight, 180°, blue) Optional RAID 0/1 (only for Intel® QM67)
Hardware Monitoring	Detect CPU/System temperature, voltage and fan speed
Ethernet	2 ports as 10/100/1000Mbps support WOL, RPL/PXE boot ROM with Realtek RTL8111E.
Audio	N/A
USB	2 x USB 3.0 (right angle, 90°) (optional) 6 x USB 2.0 (4 x internal, 2 x external)
SMBus	System Management Bus for advanced monitoring/control

## Features

- Socket G2 (rPGA988B) 2<sup>nd</sup> generation Intel® Core™ i7/ i5/ i3/ Celeron® processor
- Intel® HM65 chipset (optional Intel® QM67)
- 2 DDR3 1066/1333 SO-DIMM support up to 8 GB memory capacity
- Supports Intel® HD graphics

## Display

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

## Packing List

Standard		
Quick installation guide, user's manual/utility CD, cable		
Cable		
Part Number	Description	Qty
59384500200E	COM x 2 w/bracket, P=2.0, L=250mm	1
593826A0000E	SATA signal cable 500mm	1
5078C111200E	CPU cooler PGA 989 JACDD01C	1

## Ordering Information

Standard	
SHB213VGG	Socket G2 PICMG 1.3 half-size CPU card with (P/N: E38C21310X) VGA, SATA3, USB 3.0, 2 10/100/1000Mbps Ethernet
Optional	
59382631000E	2 x USB port wafer cable with bracket, L=180mm