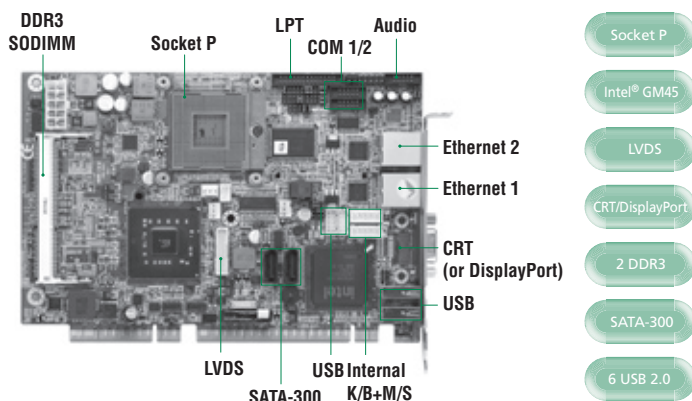


# SHB211

Socket P Intel® Core™2 Duo PICMG 1.3 Half-size CPU Card with Intel® GM45+ICH9M/ICH9M-E Chipset, DisplayPort/CRT/LCD, Dual LANs and Audio



## Features



- ▶ Socket P for Intel® Core™2 Duo/Celeron® M processor with 800/1066 MHz
- ▶ Intel® GM45+ICH9M chipset (optional ICH9M-E)
- ▶ 2 DDR3 SODIMM support up to 8 GB
- ▶ With Intel Gen 5 high performance integrated graphic controller for DisplayPort/CRT and LVDS
- ▶ RAID 0, 1, 5, 10 (optional with ICH9M-E)

## System

CPU	Socket P (478-pin) for Intel® Core™2 Duo/Celeron® M processor with 667/800/1066 MHz
System Memory	2 x 204-pin DDR3-800/1066 SODIMM max. up to 8 GB
Chipset	Intel® GM45+ICH9M/ICH9M-E
BIOS	AMI with SmartView and Customer CMOS Backup
SSD	1 x CompactFlash™ type-II socket via jMicron JM20330 SATA-to-PATA controller
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	* PCIe x16 for discrete graphic card or ADD2+ card or PCIe x1 devices * PCIe x4 for one PCIe x4 or four PCIe x1 I/O Devices * LPC interface
Battery	Lithium 3V/196mAH
Size	185 x 126mm
Temperature	0°C ~ 60°C (32°F ~ 140°F), operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

## Display

Chipset	Intel® GM45 GMCH 4500 integrated graphic engine; support Microsoft DirectX 10, Blu-ray 40Mb/s
Memory Size	Max. up to 256MB frame buffer sharing system memory
Maximum Resolution	* VGA up to 2048 x 1536 @ 75 Hz with 32-bit color * LVDS up to 1600 x 1200 * SDVO single-channel mode each ports up to 1600 x 1200 @ 60 Hz or dual-channel mode up to 2048 x 1536 @ 75Hz or dCRT/HDTV up to 1920 x 1080 @ 85 Hz
Output Interface	* VGA with D-sub 15-pin connector * LVDS with 40-pin JST connector * DisplayPort edge connector

## I/O

MIO	1 x FDD/LPT 1 x PS/2 keyboard 1 x PS/2 mouse 1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1)
SATA	2 x SATA-300
Hardware Monitoring	Supports CPU/System temperature, CPU/System voltage, and CPU/System Smart Fan features
Ethernet	2 ports as 10/100/1000Mbps support Wake-on-LAN, PXE Boot ROM with Realtek RTL8111B
Audio	HD Codec audio as MIC-in/Line-in/Line-out/Speaker-out with Realtek ALC662
USB	6 x USB 2.0; 2 ports on the rear I/O, 4 ports via wafer connector
SMBus	System Management Bus for advanced monitoring/control interface

\* W.T.: Wide Temperature

## Packing List

Standard	
	Quick installation guide, user's manual/utility CD, cable

## Ordering Information

Standard	
SHB211VGGA	Socket P PICMG 1.3 half-size CPU card with CRT/LVDS LCD, 2 10/100/1000Mbps and audio
Optional	
SHB211PGGA	Socket P PICMG 1.3 half-size CPU card with DisplayPort/LVDS LCD, 2 10/100/1000Mbps and audio