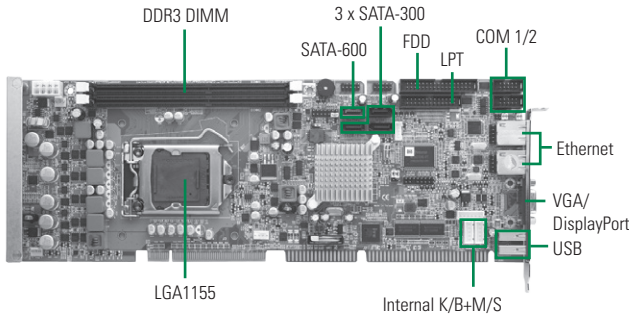


SBC81210

LGA1155 Intel® Core™ i7/ i5/ i3 PICMG 1.0
Full-size CPU Card with Intel® B65/Q67, VGA
and Dual LANs



System

CPU	LGA1155 socket for Intel® Core™ i7/ i5/ i3 processor
System Memory	2 x 240-pin DDR3 1066/1333 DIMM max. up to 8 GB
Chipset	Intel® B65 (Q67 as option)
BIOS	AMI UEFI BIOS
SSD	N/A
Watchdog Timer	225 levels, 1~255 sec.
Expansion Interface	4 x 32 bit PCI bus masters No ISA bus supported
Battery Lithium	3v/220 mAH
Power Requirements	Intel® i5-2500 @ 3.1 GHz, 4 G DDR3 +5V_SBY @ 41mA, +3.3V @ 26mA +5V @ 3.705A, +12V @ 698mA, -12V @ 26mA
Size	338 x 122 mm
Board Thickness	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 (COM 1) 1 x RS-232/422/425 (COM 2)
SATA	1 x SATA-600 & 3 x SATA-300, optional RAID 0/1/10/5 (only for Intel® Q67)
Hardware Monitoring	Detect CPU/System temperature, voltage and fan speed
Ethernet	1 ports as 10/100/1000Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Intel® 82579LM 2 ports as 10/100/1000Mbps 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 Audio kit AX93242 (optional)
USB	6 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control

Display

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

Features

- LGA1155 socket for Intel® Core™ i7/ i5/ i3 processors
- Intel® B65 chipset (Q67 as option)
- 2 DDR3 1066/1333 DIMM support up to 8 GB memory capacity
- DisplayPort supported (optional)
- Supports Intel® HD Graphics

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
59381400000E	FDD cable	1

Ordering Information

Standard	
SBC81210VGG-B65 (P/N: E381210100)	LGA1155 socket PICMG 1.0 full-size CPU card with B65 PCH, VGA, 2 10/100/1000Mbps Ethernet and 6 USB
SBC81210PGG-B65 (P/N: E381210101)	LGA1155 socket PICMG 1.0 full-size CPU card with B65 PCH, DisplayPort, 2 10/100/1000Mbps Ethernet and 6 USB
Optional	
SBC81210VGG-Q67 (P/N: E381210102)	LGA1155 socket PICMG 1.0 full-size CPU card with Q67 PCH, VGA, 2 10/100/1000Mbps Ethernet and 6 USB
5938A808010E	2 x USB cable with bracket, P=2.54 mm, L=190 mm
59380000290E	PS/2 keyboard & mouse cable with bracket
E393242100	AX93242 HD audio converter kit
593826A0000E	SATA signal cable 500 mm
593836A0030E	4 pin power cable to SATA x 2, L=150 mm
E9B900C000	LGA1156 cooler 4-pin H:61.4 mm
50761222000E	LGA1156 2U cooler 3-pin H=68.8 mm

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Mother-
boards

Slot
CPU
Cards

Accessories

Appendix