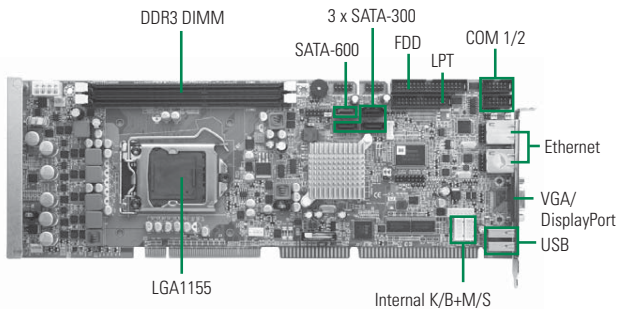


SBC81210

LGA1155 Intel® Core™ i7/i5/i3 Processor
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 processor
- 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 GbE LAN and 6 USB | |
| SBC81210PGG-B65 (P/N: E381210101) | LGA1155 socket PICMG 1.0 full-size CPU card with B65 PCH, DisplayPort, 2 GbE LAN and 6 USB | |

| Optional | | |
|--------------------------------------|------------------------------------------------------------------------------------|--|
| SBC81210VGG-Q67 (P/N: E381210102) | LGA1155 socket PICMG 1.0 full-size CPU card with Q67 PCH, VGA, 2 GbE LAN 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 | |
| E93242100 | 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 | |

* All specifications and photos are subject to change without notice.



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Appendix