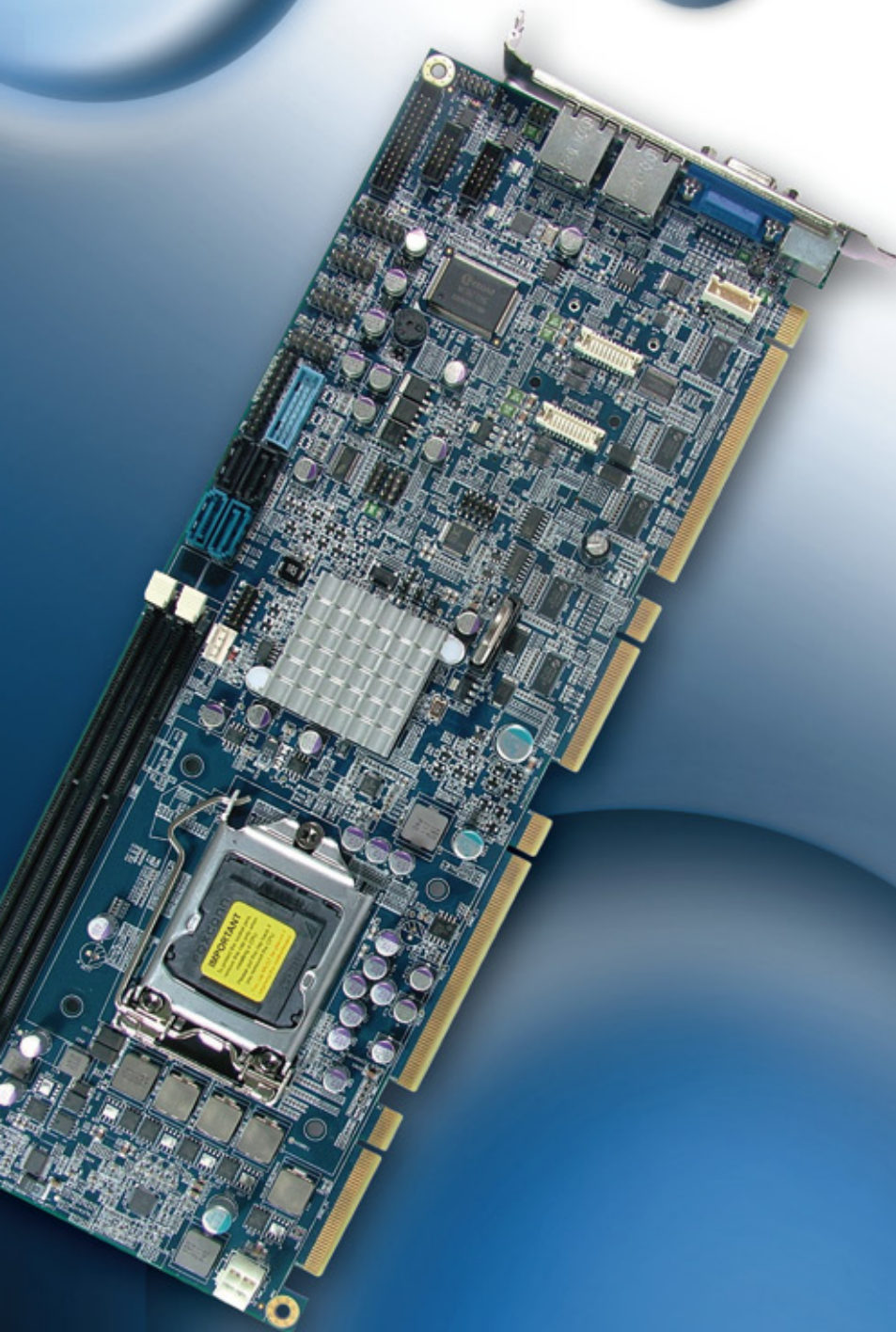


SBC



PSB-903LF

PICMG1.3 Full Size CPU Card supports Intel® E3-V2 and Core™ i3 CPU with Intel® 7series chipset, VGA, Audio, 2 LAN, 2 COM

Features :

- Support Intel® Ivy Bridge E3 and 3rd Gen Core i3 Processor
- Equipped with Intel® C216 chipset
- Memory supports DDR3 1066/ 1333 DIMM up to 16GB
- Supports 2 x Gigabit Ethernet connection, PICMG 1.3 compliance
- Supports Trusted Platform Module
- Supports SATA RAID 0, 1, 5, 10



Protech Systems Co., Ltd.

No. 24, Lane 365, Yang Goang Street, Nei Hu District Taipei 114, Taiwan
TEL: +886-2-8751-1111 FAX: +886-2-8751-1199
E-mail: sales@protech.com.tw
<http://www.protech.com.tw>

Protech Technologies Inc.

950 Fee Ana St, Suite B Placentia, CA 92870
TEL: +1-714- 996-7200 FAX: +1-714- 996-7300
Sales: sales@protech-usa.net
<http://www.protech-usa.net>

Protech Japan Co., Ltd.

OSK Bldg, 6F, 6-25-14, Minami-ohi Shinagawa-ku, Tokyo, 140-0013
TEL: +81-3-5753-8411 FAX: +81-3-3763-9282
E-mail: sam@protech-j.com
<http://www.protech-j.com>

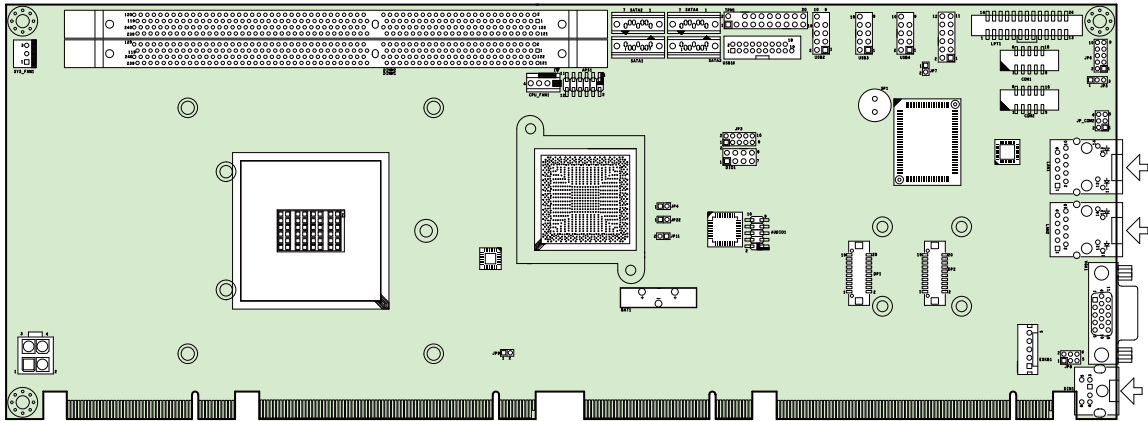


ISO CERTIFIED

9001 | 14001

PSB-903LF

PICMG1.3 Full Size CPU Card supports Intel® E3-V2 and Core™ i3 CPU with Intel® 7series chipset, VGA, Audio, 2 LAN, 2 COM



Specifications

| System | |
|--------------------------|--|
| CPU Support | Intel® E3 and 3rd Gen Core i3 processors (Ivy Bridge-DT CPU) |
| CPU Frequency | 3.2 ~ 3.5 GHz |
| Chipset | Intel® C216 |
| DRAM | 2 x 240-Pin DDR3 DIMM, support dual channel memory architecture and DDR3 1066/ 1333MHz up to 16GB, ECC and non ECC |
| BIOS | AMI |
| Watchdog | 1~255 secs |
| Power Supply | Support ATX Power |
| Power Requirement | +5V, +12V, +3.3V, +5Vsb |
| Dimension | 338.5mm x 126mm (13.33" x 4.96") |
| Certificate | FCC / CE |

I/O Chipset

| | |
|-----------------------|--|
| SATA Interface | 6 x S-ATA II connector (Raid 0, 1, 5, 10) 4 ports on board; 2 ports backplane |
| Expansion BUS | Mini PCIe |
| TPM | TPM1.2 with 20-pin header on board for TPM (Trusted Platform Module) |
| Serial Port | 2 x COM port, COM 1 for RS232, COM 2 for RS232/422/485 |
| Keyboard | Mini DIN connector or external connector |
| Mouse | Mini DIN connector (selectable w/ KB) or Y-cable |

| | |
|--------------|---|
| LAN | LAN 1: Intel® 82579LM (GbE) LAN 2: Intel® 82583V (GbE) Support Wake-on-LAN with ATX power |
| Audio | HD Audio, Realtek ALC888S |
| USB | 12 x USB 2.0/3.0 8 ports on board, 4 ports backplane |

Display

| | |
|-----------------|---|
| Graphics | Build-in processor, share memory, Support: 1 x VGA 2 x display port |
|-----------------|---|

*Discrete graphic card is necessary for display if the chosen CPU doesn't have integrated graphics support.

Environment

| | |
|------------------------|---|
| Operation Temp. | 0° ~ 60° C (32° ~ 140° F) |
| Storage Temp. | - 40° ~ 85° C (- 40° ~ 185° F) |
| Humidity | Operation humidity 20 ~ 90%, storage humidity 20 ~ 95% |

*All information contained in this document is subject to change without prior notice. Please log on www.protech.com.tw to acquire latest information.

Ordering Information

| | |
|------------------|---|
| PSB-903LF | PICMG 1.3 full-size CPU Card with Intel Ivy Bridge Carlow CPU + C216 Chipset / VGA/ Audio/ 2COM/ 2LAN (GbE) |
|------------------|---|

All of trademarks and brand names are the property of their owners. Trademark "Protech" is the property of Protech Systems Co., Ltd. All information contained in this document is subject to change without any prior notice. This catalog is copyrighted in May 2012.