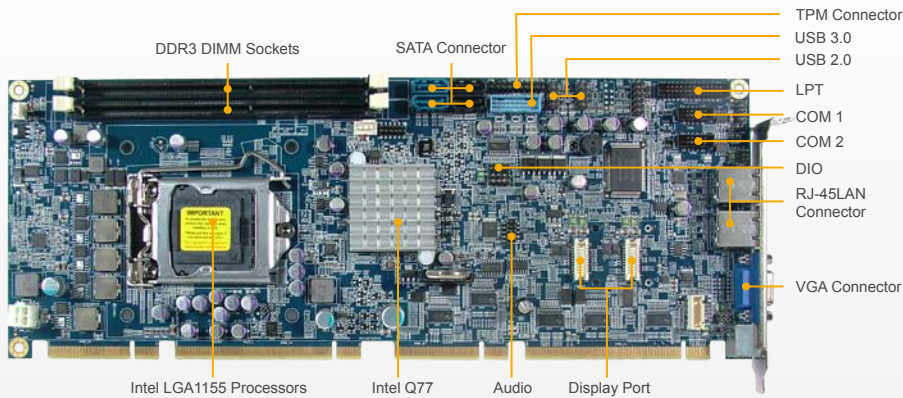


# PSB-893LF



PICMG1.3 Full Size CPU Card supports 3<sup>rd</sup> Gen. Intel® Core™ i7/i5/i3/Pentium® CPU with Intel® 7series chipset, VGA, Audio, 2LAN, 2COM



## Features

- LGA 1155 Intel® 3<sup>rd</sup> Gen Core™ i7/i5/i3 Pentium® CPU
- Equipped with Intel® Q77 chipset
- Memory supports DDR3 1333/ 1600 DIMM up to 32GB
- Supports Dual Gigabit Ethernet
- Supports USB 3.0
- Supports Trusted Platform Module

## Specifications

### System

CPU Support	3 <sup>rd</sup> Gen. Intel® Core™ i7/i5/i3/Pentium processors
CPU Frequency	3.0 ~ 3.4GHz
Chipset	Intel® Q77
DRAM	2 x 240-Pin DDR3 DIMM, support dual channel memory 1333/ 1600MHz up to 32GB
BIOS	AMI
Watchdog	1~255 secs Watchdog timer selectable
Power Supply	Support ATX power
Power Consumption	+5V:2.32A, +12V:2.66A, +3.3V:0.67A, +5Vsb:0.25A, (CPU: Intel® Core™ i3 3220 3.3GHz)
Dimension	338.5mm x 126mm (13.33" x 4.96")
Certificate	FCC / CE

### I/O Ports

SATA Interface	5 x S-ATA II (2 ports to backplane) 1 x S-ATA III
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	10 x USB 2.0/3.0 6 ports on board, 4 ports backplane

### Display

Graphics	Build-in processor, share memory, Support: 1 x VGA 2 x Display port
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\*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](http://www.protech.com.tw) to acquire latest information.

## Ordering Information

Order No	Description
BF-0893RA-00P	PICMG 1.3 Full Size CPU Card with Intel® CPU(LGA1155)+ Q77 Chipset / VGA/Audio/2COM/ 2LAN(GbE)

## Packing List

Part No	Description
10-611-00200023	Jumper (2.0mm)
27-008-00001031	SATA cable
	Quick guide
	Driver CD

## Ordering Accessories

Part No	Description
27-006-00004111	USB cable w/ bracket
27-003-00304111	Y cable
27-027-04206111	External PS/2 cable
27-023-12609011	Audio cable
27-024-03106011	COM port cable
27-025-33206011	COM port & printer port cable
81-003-18025142	CPU cooler with bracket for 65W CPU
21-008-11212001	CPU cooler with bracket for 95W CPU
27-047-00006112	DP to DVI Cable
27-006-00008112	USB 3.0 2 Port Cable w/ Bracket
27-023-12609011	Audio cable

Order No	Description
BR-4010RA-01P	TPM Module (2.54mm)
BR-8080RA-00P	DP/eDP to LVDS Daughter Board

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### Protech Japan Co., Ltd.

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