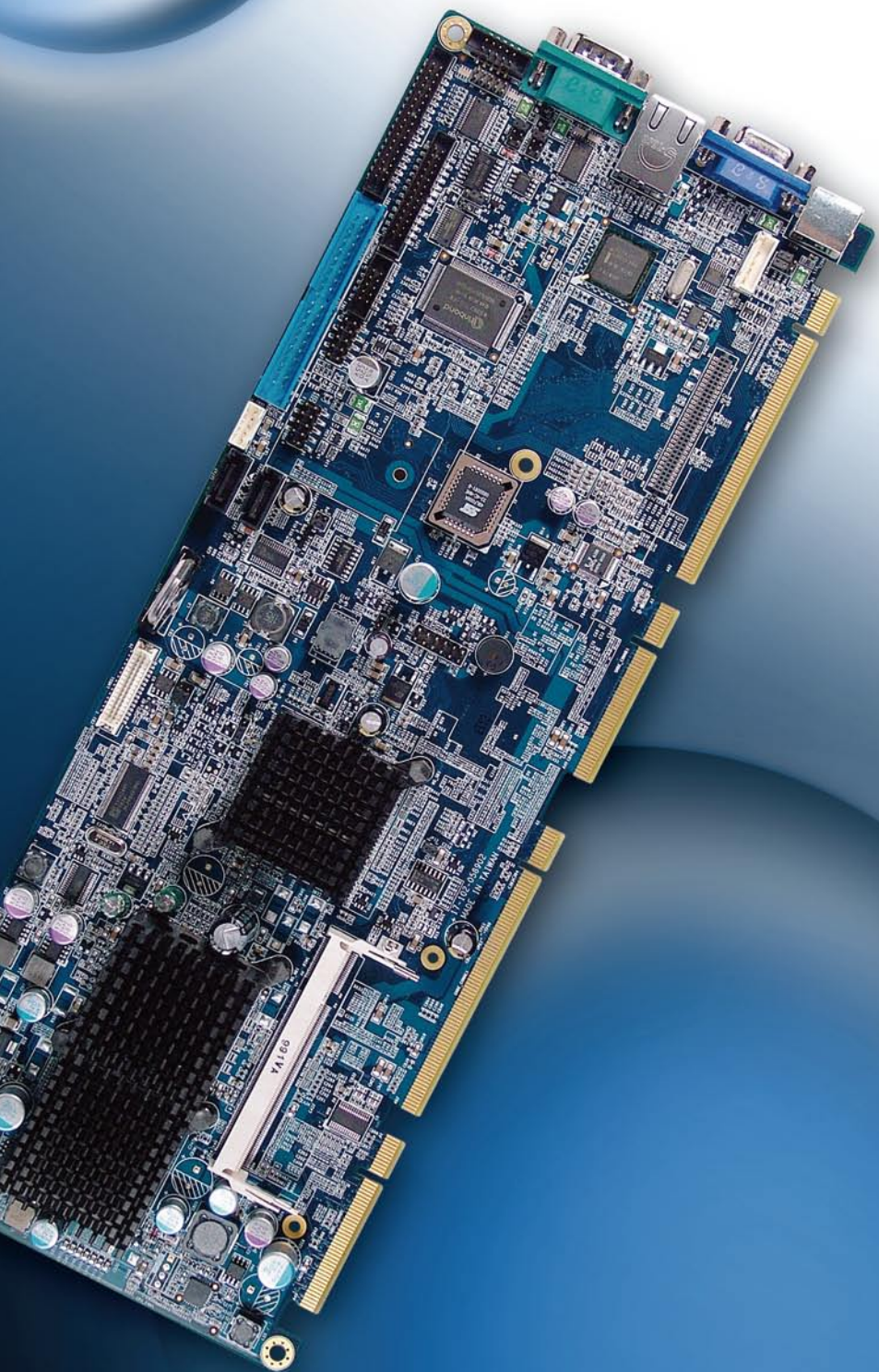


SBC



PSB-589LF

Intel® Atom PICMG1.3
full size CPU card
w/VGA/LAN/AUDIO

Features :

- PICMG1.3 Full size CPU card supports Intel® Atom™ N270 1.6GHz processor with 533 MHz FSB
- Memory supports one SO-DIMM socket, up to 2GB single channel 400/533MHz DDR2 memory
- Intel® 945GSE integrated 3D graphics engine GMA950 chipset with CRT and LVDS display
- Support 1 x LAN, Audio, 2 x Serial Port, 1 x Parallel Port
- SATA port Supports Raid 0,1



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.

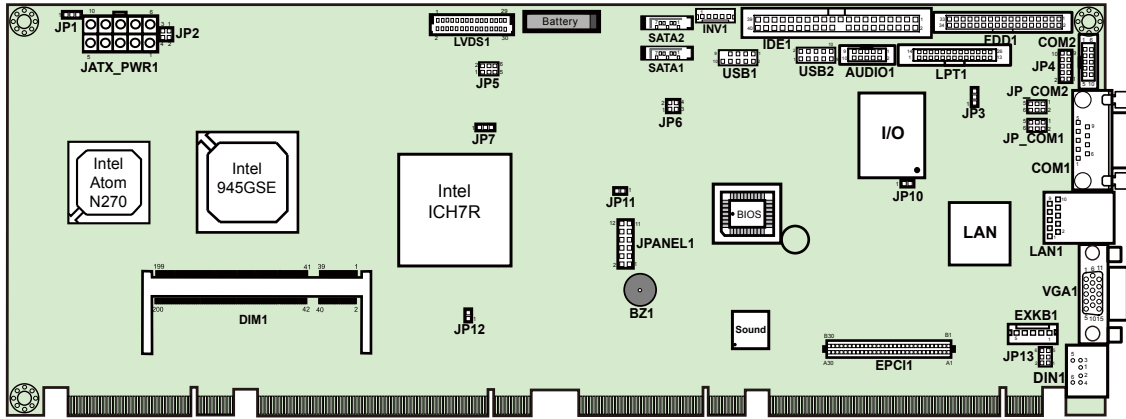
OSK Bldg, 6F, 6-25-14, Minami-ohi Shinagawa-ku, Tokyo, 140-0013
TEL: +81-3-5753-8411 FAX: +81-3-3763-9282
E-mail: sam@protech-j.com
<http://www.protech-j.com>



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9001 14001

PSB-589LF

Intel® Atom N270 PICMG1.3 full size CPU card w /
VGA / LAN / AUDIO



Specifications

System	
CPU Support	Intel® Atom N270 1.6GHz processor
Chipset	Intel® 945GSE + ICH7R (FSB :533MHz)
DRAM	1 x 200-pin DDR2 SO-DIMM socket, support 400/533MHz DDR2 memory up to 2GB
BIOS	Phoenix-Award PnP BIOS
Watchdog	1~255 secs Watchdog timer selectable w / Reset / NMI
Power Supply	Support ATX / AT Power
Power Requirement	+5V, +12V
Power Consumption	+12V:0.24A / +5V:2.85A
Dimension	338.5mm x 126mm (13.33" x 4.96")
Certificate	CE, FCC

I/O Chipset

IDE Interface	1 x IDE connector with 40-pin Boxheader (UDMA100)
SATA Interface	4 x S-ATA connector (From ICH7R, Support RAID 0,1,5,10) 2 ports on board; 2 ports signals via SHB C to backplane
FDD Interface	1 x FDD connector with 34-pin Boxheader
Expansion BUS	1 x CF (via IDE 2 nd), 1 x EPCI BUS
Serial Port	2 x COM port, 16550 UARTs RS-232 COM 1 for RS-232; D-SUB 9pin on board COM 2 for RS-232/422/485; box-header on board

Parallel Port	1 x Parallel port (SPP / EPP / ECP)
Keyboard	Mini DIN connector or external connector
Mouse	Mini DIN connector (selectable w/KB) or Y-cable
LAN	Single Port; Lan1: Intel® 82541PI (10/100/1000 Mbps) Supports Wake-on-LAN with ATX power
Audio	High Definition Audio; Realtek ALC888 with Line-in/ Line-out/MIC
USB	8 x USB2.0 4 ports pinheader on board 4 ports signals via SHB C to backplane

Display

Graphic	Build-in 945GSE, share system memory ; Support CRT (QXGA : 2048 x1536), LVDS
LCD Interface	2CH x 18-bits LVDS, Support UXGA (1600 x 1200)

Environment

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

Ordering Information

PSB-589LF	PICMG1.3 Full size CPU card w/ VGA / Audio / 1 x LAN (GbE)/ Raid
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