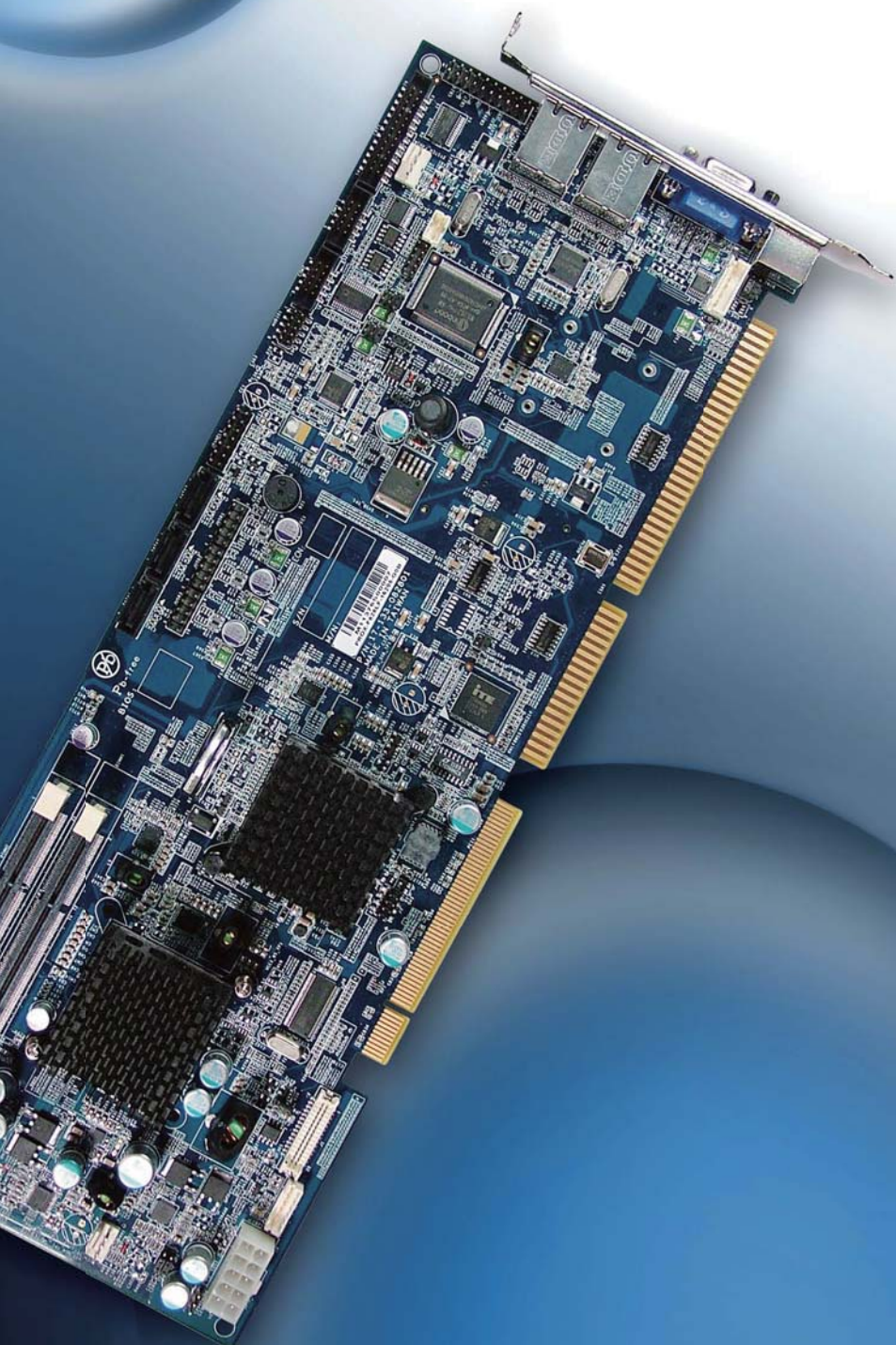


# SBC



## PSB-828LF

Intel® Atom™ N455 /  
D525 PICMG1.0 w/ VGA /  
LVDS / Audio / 2LAN

### Features :

- Support Intel® Atom™ N455 1.66GHz / D525 1.8GHz processor
- Memory Support DDR3 SO-DIMM  
800 MHz SDRAM up to 4GB
- Support two 10/100/1000 Mbps Ethernet
- Supports 3 x SATAII, 6 x USB 2.0 Port,  
2 x Serial Port and 1 x Parallel Port
- Expansion Slot for 1 x Mini PCIe



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### Protech Japan Co., Ltd.

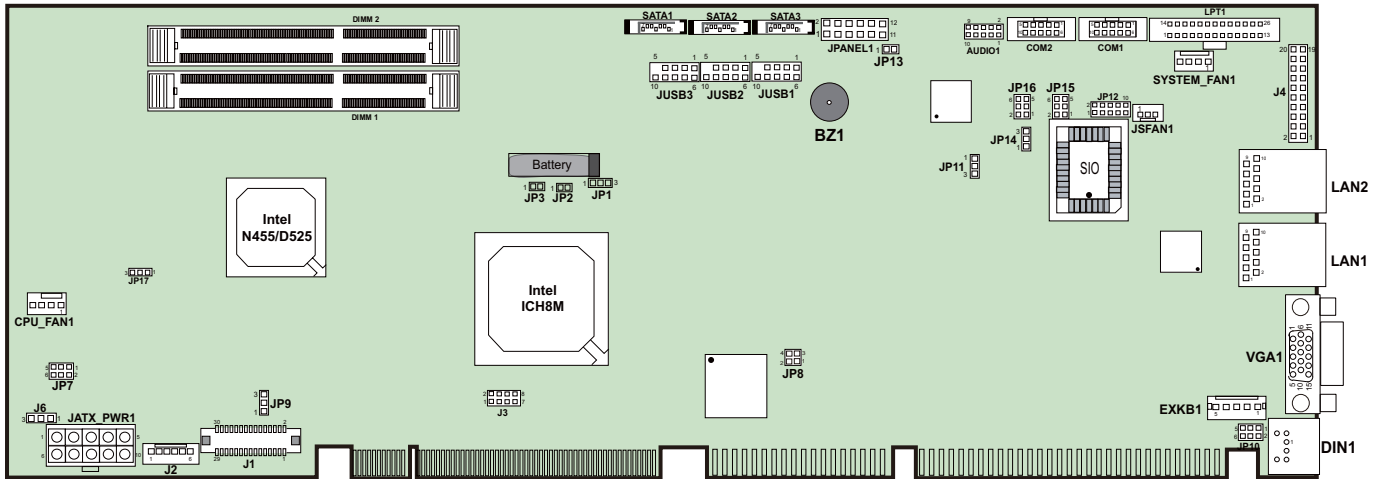
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ISO CERTIFIED  
9001 14001

# PSB-828LF

Intel® Atom™ N455 / D525 PICMG1.0 w/ VGA / LVDS / Audio / 2LAN



## Specifications

### System

<b>CPU Support</b>	Intel® Atom™ Dual Core D525 Processor with 1MB L2 Cache Intel® Atom™ Single Core N455 Processor with 512K L2 Cache
<b>CPU Frequency</b>	N455 (1.66GHz) / D525 (1.80GHz)
<b>DRAM</b>	2 x 204Pin DDR3 SO-DIMM to support 800MHz up to 4GB
<b>BIOS</b>	AMI BIOS
<b>Watchdog</b>	1~255 secs Watchdog timer selectable
<b>Power Supply</b>	Support AT/ATX Power
<b>Power Requirement</b>	+5V, +12V, -12V
<b>Power Consumption</b>	+5V : 5A, +12V : 5.12A
<b>Dimension</b>	338.5mm x 122mm (13.33" x 4.8")
<b>Certificate</b>	FCC / CE

### I/O Chipset

<b>SATA Interface</b>	3 x S-ATA II connector
<b>SSD</b>	1 x Compact Flash slot (IDE)
<b>Expansion BUS</b>	1 x Mini PCIe
<b>TPM</b>	1 x TPM pin header on board
<b>Serial Port</b>	2 x COM port, COM 1 for RS-232, COM 2 for RS-232/422/485
<b>Parallel Port</b>	1 x Parallel Port (SPP / EPP / ECP)
<b>Keyboard</b>	Mini DIN connector or external connector
<b>Mouse</b>	Mini DIN connector (selectable W / KB) or Y-cable

<b>LAN</b>	LAN1: Intel® 82567V (10/100/1000 Mbps) LAN2: Realtek RTL8111D (10/100/1000 Mbps) Support Wake-on-LAN with ATX power
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**Audio** HD Audio, Realtek ALC888S

**USB** 6 x USB 2.0

### Display

**Graphic** Built-in N455 / D525 processor, share system memory; Supports VGA, LVDS (18bit)

**LCD Interface** 18 bit LVDS

### Environment

**OperationTemp.** 0°~60°C (32°~140°F)

**Storage Temp.** -40°~85°C (-40°~185°F)

**Humidity** Operation humidity 20~90%,  
Storage humidity 20~95%

### Ordering Information

**PSB-828LF-N455** PICMG 1.0 Intel® Atom™ N455 Full size CPU Card w/ VGA / LVDS / 2LAN

**PSB-828LF-D525** PICMG 1.0 Intel® Atom™ D525 Full size CPU Card w/ VGA / LVDS / 2LAN