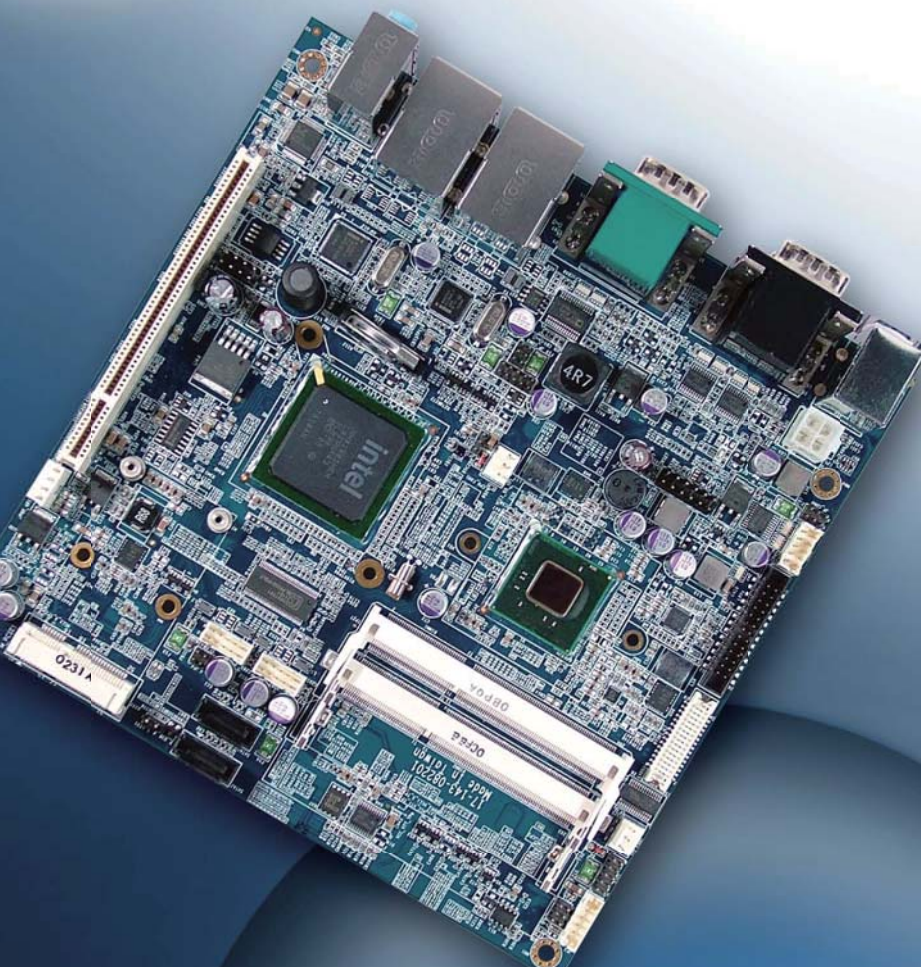


SBC



PMB-822LF

**Intel® Atom™ N455 /
D525 Mini ITX MB
w/ VGA/ LVDS/ Audio/
2 LAN**

Features :

- Support Intel® Atom™ N455
1.66GHz / D525 1.8GHz processor
- Memory Support DDR3 DIMM
667/800 MHz SDRAM up to 4GB
(Max.)
- Support two 10/100/1000 Mbps
Ethernet
- Supports 2 x SATAII, 8 x USB 2.0 Port,
4 x Serial Port and 1 x Parallel Port
- Expansion Slot for 1 x Mini PCIe



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.

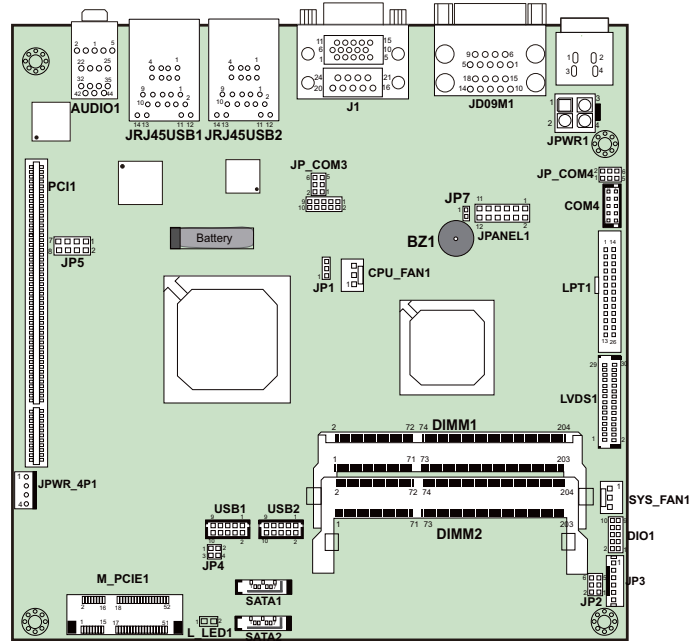
OSK Bldg, 6F, 6-25-14, Minami-ohi Shinagawa-ku,
Tokyo, 140-0013
TEL: +81-3-5753-8411 FAX: +81-3-3763-9282
E-mail: sam@protech-j.com
<http://www.protech-j.com>



ISO CERTIFIED
9001 14001

PMB-822LF

Intel® Atom™ N455 / D525 Mini ITX MB w/ VGA/
LVDS/ Audio/ 2 LAN



Specifications

System	
CPU Support	Intel® Atom™ N455 / D525 processor
CPU Frequency	N455 (1.66GHz) / D525 (1.8GHz)
Chipset	ICH8M
DRAM	2 x 204Pin DDR3 SO-DIMM to support 667MHz (N455) /800 MHz (D525) up to 4GB
BIOS	AMI BIOS
Watchdog	1~255 secs Watchdog timer selectable
Power Supply	DC 12V in
Power Requirement	+12V
Dimension	170mm x 170mm (6.69" x 6.69")
Certificate	FCC / CE

I/O Chipset

SATA Interface	2 x S-ATA II connector
SSD	1 x Compact Flash slot (IDE)
Expansion BUS	1 x Mini PCIe
TPM	1 x TPM ping header on board
Serial Port	4 x COM port, COM 1, COM 2 & COM 4 for RS-232, COM 3 for RS-232/422/485
Parallel Port	1 x Parallel Port (SPP / EPP / ECP)
Keyboard	Mini DIN connector
Mouse	Mini DIN connector

LAN	LAN1: Intel® 82567V (10/100/1000 Mbps) LAN2: Intel® 82583V (10/100/1000 Mbps) Support Wake-on-LAN with ATX power
Audio	HD Audio, Realtek ALC888S
USB	8 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 ~ 95%, storage humidity 20 ~ 95%

Ordering Information

PMB-822LF-N455	Intel® Atom™ N455 Mini ITX MB w/ VGA/ LVDS/ Audio/ 2 LAN
PMB-822LF-D525	Intel® Atom™ D525 Mini ITX MB w/ VGA/ LVDS/ Audio/ 2 LAN

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 2011.