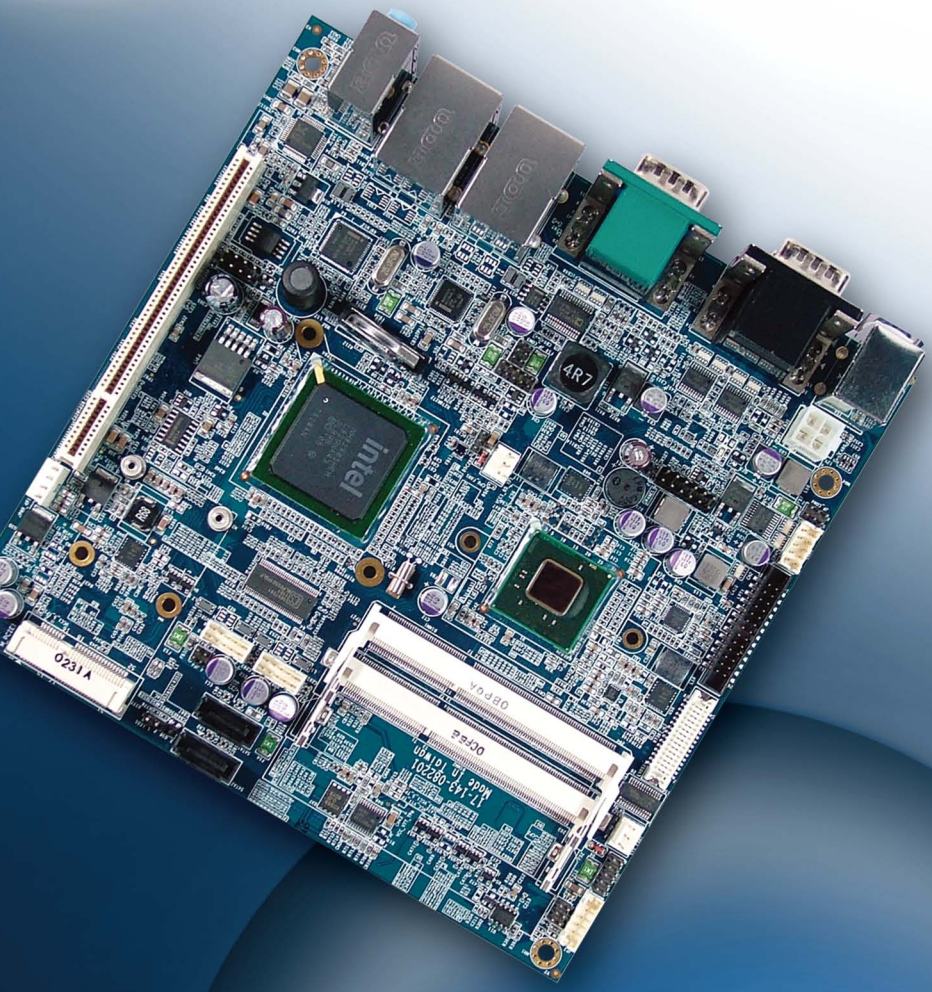
SBC

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

RoHS Compliant

PROTECH SYSTEMS
It's the right choice

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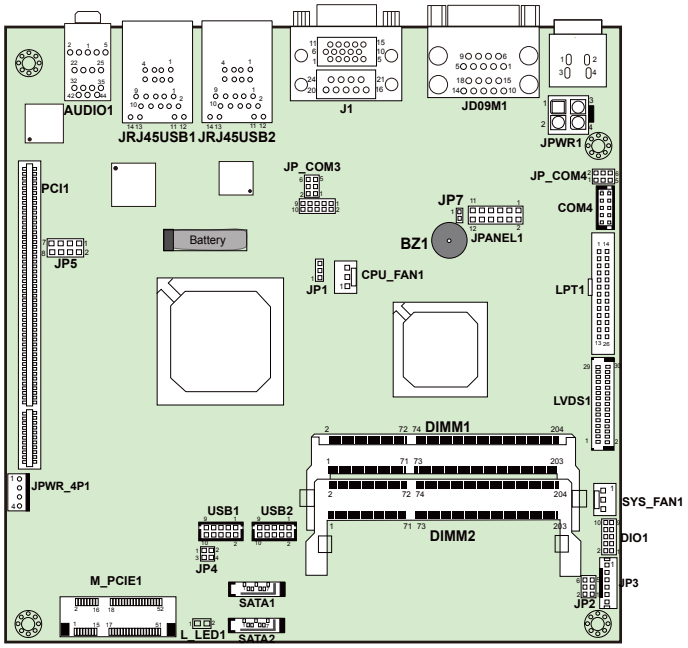
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intel Embedded and Communications Alliance Affiliate

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 Tmp.	- 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

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