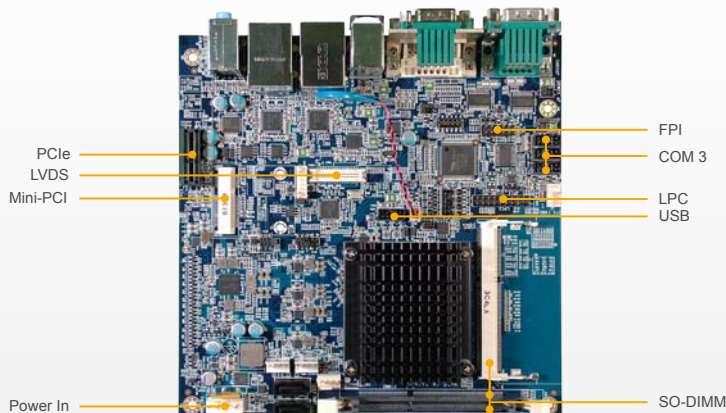


BM-0962



Mini ITX MB supports Intel® Bay Trail SOC with DVI-I/ LVDS/ Audio/ 2LAN/ 4COM



Features

- Intel® Bay Trail-I, Bay Trail-M and Bay Trail-D SOC
- Memory Support DDR3L SO-DIMM 1333/1066 MHz SDRAM up to 8GB
- Support Dual Gigabit LAN
- Expansion Slot for one PCIe(1x) and one Mini PCIe
- Support 6 USB, 4 COM Port, 2 SATA, Audio
- Support Wide temp SKU

Specifications

System

CPU Supt	Intel® Bay Trail-I SOC Intel® Bay Trail-M/D SOC
CPU Frequency	E3815: 1.46GHz / E3827: 1.75GHz N2807: 1.58GHz / N2930: 1.83GHz J1900 : 2.0GHz
Chipset	Bay Trail SOC
DRAM	2 x 204-pin DDR3L SO-DIMM, support dual-channel DDR3L 1333/1600MHz (system max. 8GB)
BIOS	AMI BIOS
Watchdog	1~255 sec Watchdog timer selectable
Power Supply	DC 12V in
Power Consumption	+12V: 0.96A (CPU: Celeron J1900 2.0GHz)
Dimension	170mm x 170mm (6.69" x 6.69")
Certificate	FCC / CE
OS Support	Windows 7, Windows 8

I/O Ports

SATA Interface	2 x SATA II (3.0Gb/s)
Expansion BUS	1 x PCIe(1x) 1 x Mini PCIe
LPC	1 x LPC pin head (supports TPM module for expansion)
Serial Port	4 x COM port, COM 1/2/3/4 for RS-232 COM3/4 support 5V/12V 2 x Additional COM port COM5/6 support 232/422/485 via daughterboard
Keyboard/Mouse	PS/2 Connector with Mini DIN
FAN	1 x CPU Fan, 1 x System Fan
LAN	Dual Port : Intel® I210AT/ IT (10/100/1000 Mbps)
Audio	HD Audio, Realtek ALC888S
USB	5 x USB2.0, 1 x USB3.0
GPIO	4 in/ 4 out

Display

Graphics	Build-in processor, share system memory; Support 1 x DVI-I (support VGA mode) 1 x LVDS
LCD Interface	2CH 18/24 bit LVDS

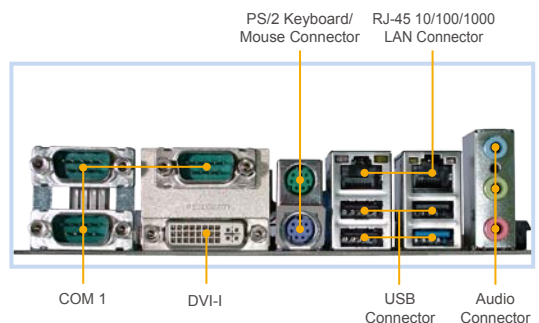
*Discrete graphic card is necessary for display if the chosen CPU doesn't have integrated graphics support.

Environment

Operation Temp.	WTG: -40° ~ 85° C (-40° ~ 185° F); Others: 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 to acquire latest information. For detail mechanics drawing, please contact our sales.

I/O Panel View



Ordering Information

Order No	Description
BM-0962RA-00P	Mini ITX , Intel J1900 w/ DVI-I, LVDS/ 4COM/ 2Giga LAN/ SATA/ 2 DIMM/6 USB
BM-0962RA-W5P	Mini ITX , Intel E3815 w/ DVI-I, LVDS/ 4COM/ 1Giga LAN/ SATA/ 1 DIMM/4 USB/WT
BM-0962RA-W7P	Mini ITX , Intel E3827 w/ DVI-I, LVDS/ 4COM/2Giga LAN/ SATA/ 2 DIMM/6 USB/WT
BM-0962RA-07P	Mini ITX , Intel N2807 w/ DVI-I, 4COM/ 1GigaLAN/ SATA/ 1 DIMM/4 USB
BM-0962RA-30P	Mini ITX , Intel N2930 w/ DVI-I, LVDS/ 4COM/ 2Giga LAN/ SATA/ 2 DIMM/6 USB

Packing List

Part No	Description
10-611-00200023	Jumper (2.0mm)
27-008-00001031	SATA HDD Cable
80-010-07001344	IO SHIELD
	Quick Guide
	Driver CD

Ordering Accessories

Part No	Description
27-006-00004111	USB cable with bracket
27-024-10306011	Single COM port cable
27-024-05206011	Dual COM port cable
27-012-32204111	DC IN Power Cable

Order No	Description
BR-4010RA-01P	TPM Module (2.54mm)
BR-6062RA-00N	2 UART (RS232/422/485) Half Size Card
BR-6062RA-01N	2 UART (RS232) Half Size Card

Protech Systems Co., Ltd.

No. 24, Lane 365, Yang Goang Street,
Nei Hu District Taipei 114, Taiwan
TEL: +886-2-8751-1111

Protech Technologies Inc.

950 Fee Ana St, Suite B
Placentia, CA 92870
TEL: +1-714- 996-7200

Protech Japan Co., Ltd.

OSK Bldg, 6F, 6-25-14, Minami-ohi
Shinagawa-ku, Tokyo, 140-0013
TEL: +81-3-5753-8411

PROX SYSTEMS Germany GmbH

Weststrasse 20a, 40721 Hilden
Düsseldorf, Germany
TEL: +49 (0) 2103-41898-0

PROX SYSTEMS Spain S.L.

C/Albasanz 14 Bis 2ºD, 28037
Madrid, Spain
TEL: (+34) 917648559