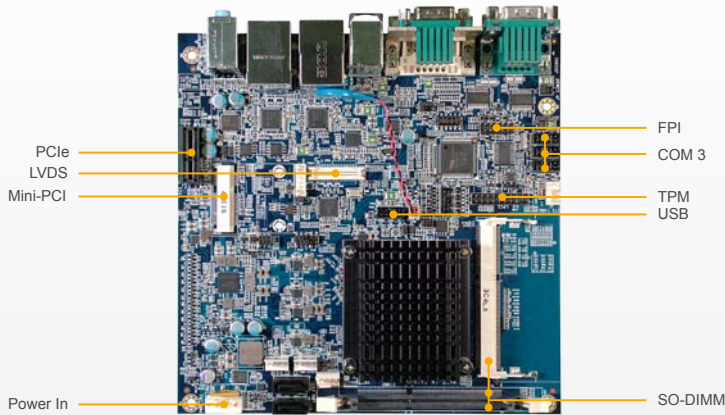


BM-0962

NEW



Mini ITX MB supports Intel® Bay Trail SOC with DVI/ LVDS/ Audio/ 2LAN/ 6COM



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, 6 COM Port, SATA, Audio
- Support Wide temp SKU

Specifications

System

CPU Support	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
TPM	1 x TPM pin header on board
Serial Port	6 x COM port, COM 1/2/3/4 for RS-232 COM5/6 support 232/422/485 via daughterboard COM3/4 support 5V/12V
Keyboard/Mouse	Mini DIN connector
FAN	1 x CPU Fan, 1 x System Fan
LAN	Dual Port : 1. Intel® I210AT (10/100/1000 Mbps) 2. Wide Temp: Intel® I210IT (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

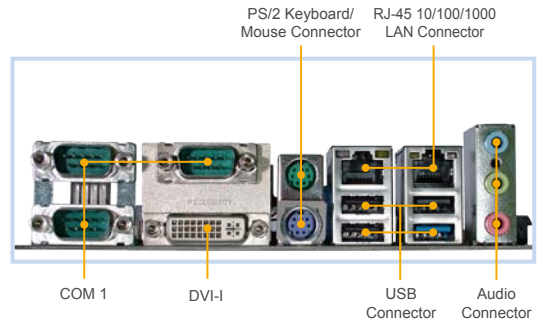
*Discrete graphic card is necessary for display if the chosen CPU doesn't have integrated graphics support.

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 supports Intel® Bay Trail-D J1900 DVI-I, LVDS/ Audio/ 6COM/ 2Giga LAN/ SATA/ 2DIMM/ 6USB
BM-0962RA-W5P	Mini ITX supports Intel® Bay Trail-I E3815 DVI-I, LVDS/ Audio/ 4COM/ 1Giga LAN/ SATA/ 1DIMM/ 4USB/ WT
BM-0962RA-W7P	Mini ITX supports Intel® Bay Trail-I E3827 DVI-I, LVDS/ Audio/ 6COM/ 2Giga LAN/ SATA/ 2DIMM/ 6USB/ WT
BM-0962RA-07P	Mini ITX supports Intel® Bay Trail-M N2807 DVI-I, LVDS/ Audio/ 4COM/ 1Giga LAN/ SATA/ 1DIMM/ 4USB/
BM-0962RA-30P	Mini ITX supports Intel® Bay Trail-M N2930 DVI-I, LVDS/ Audio/ 6COM/ 2Giga LAN/ SATA/ 2DIMM/ 6USB/

Packing List

Part No	Description
10-611-00200023	Jumper (2.0mm)
27-008-00001031	SATA HDD Cable
	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

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