

# **EX-92630 Box PC**

## **User Manual**

**Release Date**

**Revision**

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**V0.1**

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**Published in Taiwan**

# Warning!

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This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, it may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

Electric Shock Hazard – Do not operate the machine with its back cover removed. There are dangerous high voltages inside.

## Disclaimer

**This information in this document is subject to change without notice.**

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## 1.1 Features

- Intel Celeron M CPU with speed of 600MHz non L2 cache
- Fanless design
- Intel 852GM + ICH4
- 200-pin DDR SO-DIMM with up to 1GB
- 1 x 10/100 Ethernet LAN, 1 x VGA connector
- 2 x RS-232, 1 x RS-232/422/485 serial port
- 1 x compact flash, 1 x 2.5" anti-vibration slim HDD
- DC11~28V wide-ranging power input

## 1.2 Specifications

### System

**CPU:**

Intel Celeron M 600MHz non L2 cache

**Chipset:**

Intel® 852GM+ICH4

**System Memory:**

DDR SO-DIMM with 256MB up to 1GB

**DRAM Socket:**

One 200-pin SO-DIMM

**Drive Bay:**

1 x compact flash, 1 x 2.5" anti-vibration slim HDD

**BIOS:**

Award Flash

**Watchdog Timer:**

Generates system reset, 256 levels

**I/O Port:**

2 COM ports, one SPP/ECP/EPP port, two USB2.0 ports, two PS/2 keyboard and mouse ports

**RJ-45 LAN Port:**

1 x 10/100Mbps

**VGA:**

Built-in Intel® 852GM+ICH4

**Digital I/O:**

4 in and 4 out (optional)

**Certifications:**

FCC & CE Class A certified

**Mechanical****Construction:**

Heavy-duty steel chassis

**Color:**

Blue

**Dimensions:**

229.5(W) x 73.7(D) x 221mm(H)

**Power Supply:**

DC11~28V wide-ranging power input with 60W power adapter

**Environment****Operating temperature:**

0~60 ° C

**Storage temperature:**

-20 ° C ~ 80 ° C

**Relative humidity:**

10~90% @ 40 ° C non-condensing

**Vibration:**

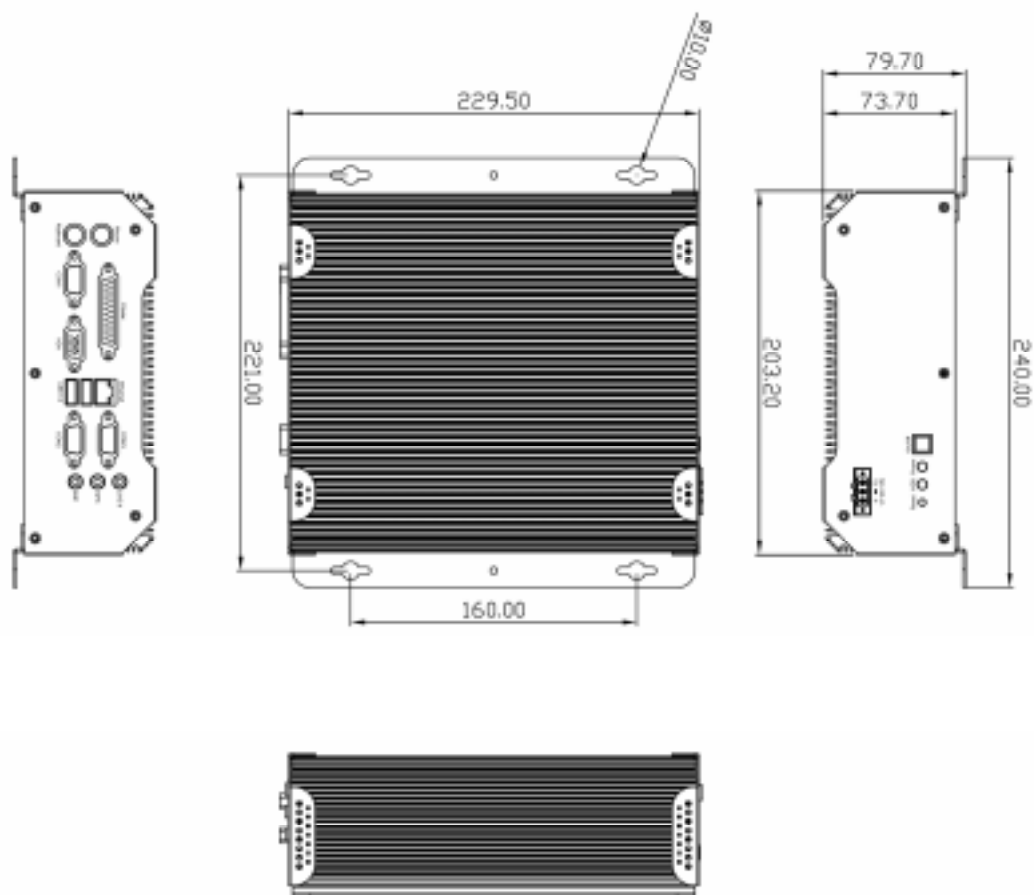
5~17Hz, 0.1" double amplitude displacement

17~640Hz, 1.5G acceleration peak to peak

**Shock:**

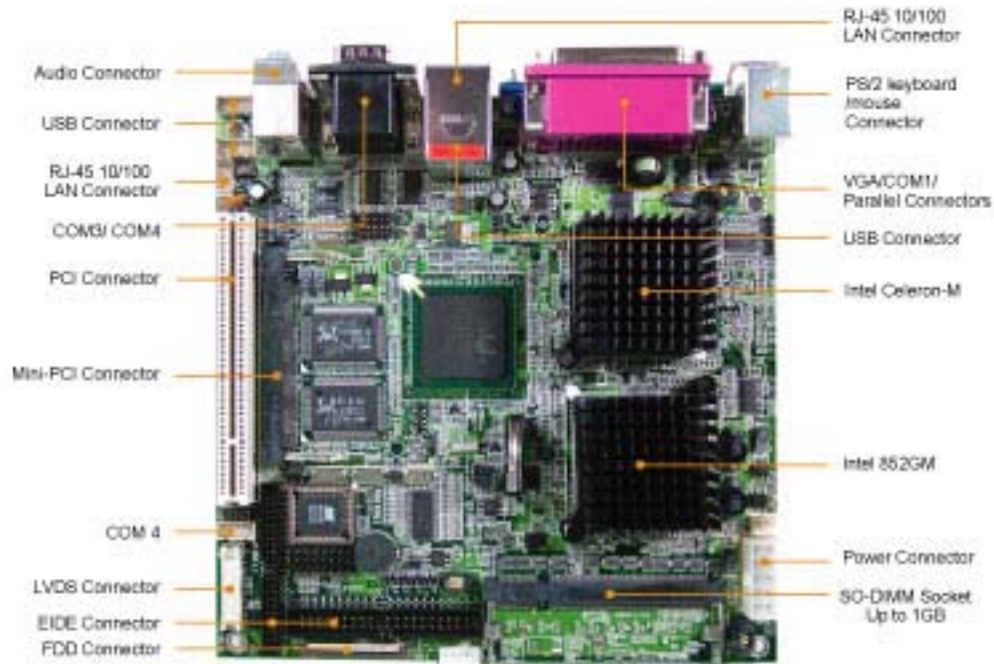
10G acceleration peak to peak (11 millimeters)

## 1.3 Dimensions



**Figure 1.1: Dimensions of the EX-92630**

## 1.4 Mainboard



## Specifications

### System

#### CPU:

Intel® Celeron® M processor

#### CPU Frequency:

ULV 600MHz (non L2 cache)

#### Chipset:

Intel® 852GM + ICH4

#### DRAM:

One 200-pin DDR SO-DIMM supporting DDR266 SDRAM up to 1GB

#### BIOS:

Phoenix-Award PnP BIOS with VGA BIOS

#### Watchdog Timer:

1~255 secs watchdog timer selectable w/Reset/NMI

**Power Supply:**

Support ATX power

**Power Requirements:**

+5V, +12V, -12V, +5VSB

**Dimensions:**

170mm x 170mm (6.69 x 6.69 inches)

**I/O Ports****IDE Interface:**

One 40-pin IDE (UDMA 33/66/100)

**CF:**

One Compact flash slot (IDE)

**FDD Interface:**

One FDD

**Bus Interface:**

PCI slot, mini-PCI bus

**Serial Port:**

Four COM ports: COM1 and 4 for RS232 and COM2 and for RS232/422/485  
(for 16550 compatible type of UART)

**Parallel Port:**

One parallel (SPP/EPP/ECP)

**IrDA:**

1 (SIR)

**Keyboard:**

Mini DIN connector

**Mouse:**

Mini DIN connector

**LAN:**

Realtek RTL8100C (10/100Mbps)



Support Wake-on with ATX power

**USB:**

2 USB 2.0 ports

**Graphics:**

Built-in Intel® 852GM sharing system memory and supporting CRT, LVDS

**Environment**

Operating Temperature:

0 ° ~ 60 ° C

Storage Temperature:

-20 ° ~ 80 ° C

Operating Humidity:

20~90%

Storage Humidity:

20~95%

## 1.5 Safety Precautions

Follow the messages below to avoid your systems from damage:

- \* Avoid your system from static electricity on all occasions.
- \* Prevent electric shock. Don't touch any components of this card when the card is power-on. Always disconnect power when the system is not in use.
- \* Disconnect power when you change any hardware devices. For instance, when you connect a jumper or install any cards, a surge of power may damage the electronic components or the whole system.

## 1.6 Brief Description of the EX-92630

The EX-92630 is a fanless, rugged and ultra-compact standalone Box PC, powered by an Intel Celeron M processor with speed of 600MHz/1.5GHz up to Pentium M 1.7GHz, and supporting 2 USB 2.0 ports. It is ideal for kiosks, POS systems, airport terminal controllers, digital entertainments, etc. and running factory operations from small visual interface and maintenance applications to large control process applications. The EX-92630 works very well along with any of our Display Monitor series. It absolutely can provide an easy way to perform control and field maintenance. It comes with a DC11~28V wide-ranging power input.



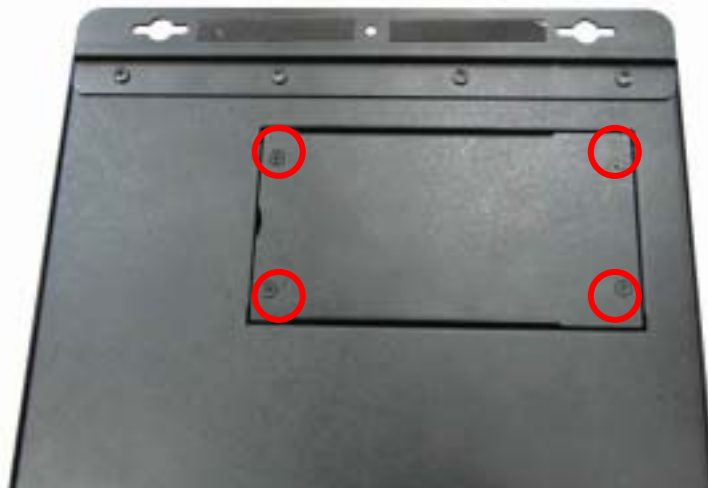
**Figure 1.2: Front View of EX-92630**



**Figure 1.3: Rear View of EX-92630**

## 2.1 Removal of HDD Bracket

To remove the HDD bracket from its position, just unscrew the 4 screws as shown in the picture.



## 2.2 Putting HDD into Bracket

Place the HDD into the base of the bracket as shown in the picture.



## 2.3 Connecting Cable to HDD

Connect the cable to the HDD, making sure that the red stripe of the cable is on the right side (if connected with the top of the HDD facing upward).



## 2.4 Installing HDD

Get the 4 screws tightened onto the chassis as shown in the picture.



# Chapter 3 Connector and Jumper Setting

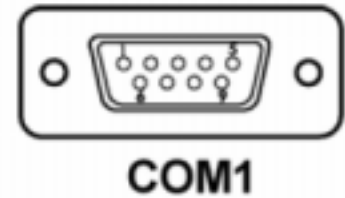
## COM PORT CONNECTOR

**COM1** : COM1 Connector

COM1 is fixed as RS-232.

The pin assignment is as follows :

PIN	ASSIGNMENT
1	DCD1
2	RX1
3	TX1
4	DTR1
5	GND
6	DSR1
7	RTS1
8	CTS1
9	RI1

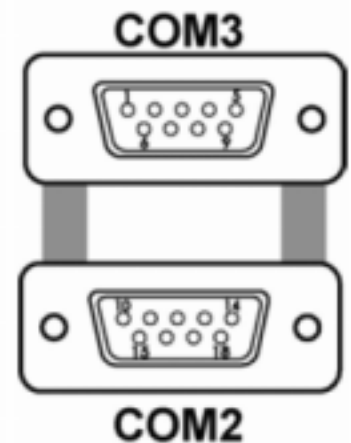


**COM2** : COM2 Connector

COM2 is selectable as RS-232/422/485.

The pin assignment is as follows :

PIN	ASSIGNMENT		
	RS-232	RS-422	RS-485
1	DCD2	TX-	TX-
2	RX2	TX+	TX+
3	TX2	RX+	RX+
4	DTR2	RX-	RX-
5	GND	GND	GND
6	DSR2	RTS-	NC
7	RTS2	RTS+	NC
8	CTS2	CTS+	NC
9	RI2	CTS-	NC

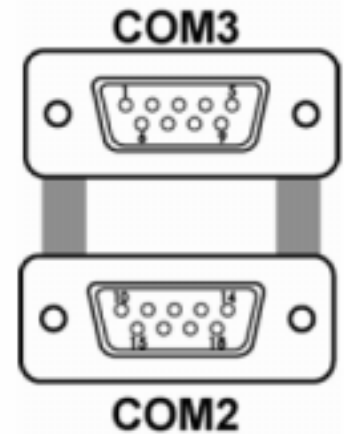


**COM3** : COM3 Connector

COM3 is selectable as RS-232/422/485.

The pin assignment is as follows :

PIN	ASSIGNMENT		
	RS-232	RS-422	RS-485
1	DCD3	TX-	TX-
2	RX3	TX+	TX+
3	TX3	RX+	RX+
4	DTR3	RX-	RX-
5	GND	GND	GND
6	DSR3	RTS-	NC
7	RTS3	RTS+	NC
8	CTS3	CTS+	NC
9	RI3	CTS-	NC



**COM4** : COM4 Connector

COM4 is fixed as RS-232.

The pin assignment is as follows:

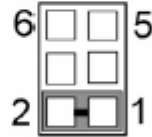
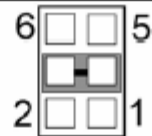
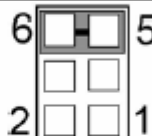
PIN	ASSIGNMENT
1	DCD4
2	RX4
3	TX4
4	DTR4
5	GND
6	DSR4
7	RTS4
8	CTS4
9	RI4
10	NC




## COM4 PIN 9 RI OR VOLTAGE SELECTION

**JP1** : COM4 Pin 9 RI or Voltage Selection

The selections are as follows:

SELECTION	JUMPER SETTINGS	JUMPER ILLUSTRATION
RI	1-2	 <b>JP1</b>
+12V	3-4	 <b>JP1</b>
+5V	5-6	 <b>JP1</b>

\*\*\*Manufacturing Default – RI.

 If COM4's Pin 9 is selectable to voltage mode, only 0.5Amp power consumption is allowed for connected to COM device.

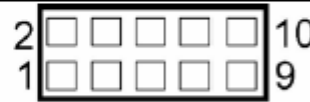




## RS232/422/485 (COM2) SELECTION

### JP10 : RS-232/422/485 (COM2) Selection

This connector is used to set the COM2 function.

The jumper settings are as follows :

COM 2 Function	Jumper Settings (pin closed)	Jumper Illustrations
RS-232	Open	 <b>JP10</b>
RS-422	1-2, 3-4, 9-10	 <b>JP10</b>
RS-485	1-2, 5-6, 9-10	 <b>JP10</b>

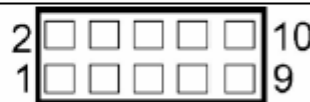

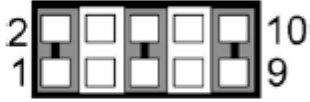
\*\*\* Manufactory default --- RS-232.

## RS232/422/485 (COM3) SELECTION

**JP8** : RS-232/422/485 (COM3) Selection

This connector is used to set the COM3 function.

The jumper settings are as follows :

COM 3 Function	Jumper Settings (pin closed)	Jumper Illustrations
RS-232	Open	 <p style="text-align: center;"><b>JP8</b></p>
RS-422	1-2, 3-4, 9-10	 <p style="text-align: center;"><b>JP8</b></p>
RS-485	1-2, 5-6, 9-10	 <p style="text-align: center;"><b>JP8</b></p>

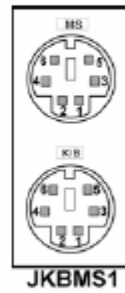
\*\*\* Manufactory default --- RS-232.

## 2-8. KEYBOARD AND PS/2 MOUSE CONNECTOR

**JKBMS1** : Keyboard and PS/2 Mouse Connector

DIN connector can support keyboard, and PS/2 Mouse. The pin assignments are as follows :

PIN	ASSIGNMENT	
	Keyboard	PS/2 Mouse
1	KBDATA	MSDATA
2	NC	NC
3	GND	GND
4	5VSB	5VSB
5	KBCLK	MSCLK
6	NC	NC

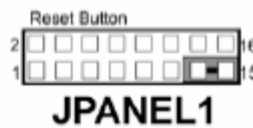


## 2-9. RESET CONNECTOR

**JPANEL1 (13,15)** : Reset Connector.

The pin assignment is as follows :

PIN	ASSIGNMENT
13	GND
15	RST_SW

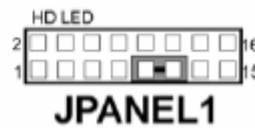


## 2-10. HARD DISK DRIVE LED CONNECTOR

**JPANEL1 (9,11)** : Hard Disk Drive LED Connector

The pin assignment is as follows :

PIN	ASSIGNMENT
9	HD_LED+
11	HD_LED-

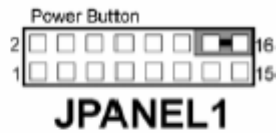


## 2-11. POWER BUTTON

JPANEL1 (14,16) : Power Button

The pin assignment is as follows :

PIN	ASSIGNMENT
14	PWR_BN1
16	PWR_BN2

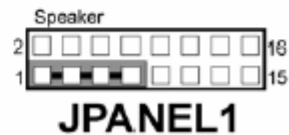


## 2-12. EXTERNAL SPEAKER CONNECTOR

JPANEL1 (1,3,5,7) : External Speaker Connector

The pin assignment is as follows :

PIN	ASSIGNMENT
1	SPK-
3	NC
5	NC
7	SPK+

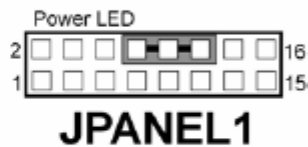


## 2-13. POWER LED CONNECTOR

JPANEL1 (8,10,12) : Power LED Connector

The pin assignment is as follows:

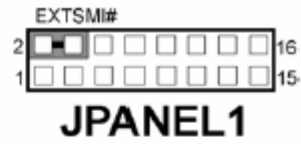
PIN	ASSIGNMENT
8	PW_LED+
10	PW_LED+
12	PW_LED-



## 2-14. EXTERNAL SMI CONNECTOR

**JPANEL1 (2,4)** : External SMI Connector  
The pin assignment is as follows:

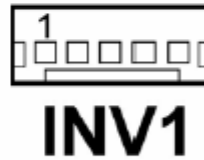
PIN	ASSIGNMENT
2	GPIO12
4	GND



## 2-15. INVERTER CONNECTOR

**INV1** : Inverter Connector  
The pin assignment is as follows:



PIN	ASSIGNMENT
1	+12V
2	GND
3	VCC
4	GND
5	ENABKL (Inverter backlight ON/OFF control signal)



## 2-16. CLEAR CMOS DATA SELECTION

**JP7** : Clear CMOS Data Selection

The selections are as follows :

FUNCTION	JUMPER SETTING (pin closed)	JUMPER ILLUSTRATION
Normal	1-2	 <b>JP7</b>
Clear CMOS	2-3	 <b>JP7</b>

\*\*\* Manufacturing Default is set as Normal.

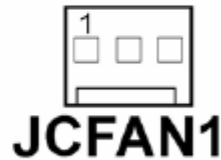
Note: To clear CMOS data, user must power-off the computer and set the jumper to "Clear CMOS" as illustrated above. After five to six seconds, set the jumper back to "Normal" and power-on the computer.

## 2-17. CPU FAN CONNECTOR

**JCFAN1** : CPU Fan connector

The pin assignment is as follows:

PIN	ASSIGNMENT
1	GND
2	+12V
3	FAN1



## 2-18. VGA CONNECTOR

**VGA1** : VGA CRT Connector

The pin assignments are as follows:

PIN	ASSIGNMENT
1	RED
2	GREEN
3	BLUE
4	NC
5	GND
6	GND
7	GND
8	GND
9	VCC
10	GND
11	NC
12	VGA IIC DATA
13	HSYNC
14	VSYNC
15	VGA IIC CLK



## 2-19. HARD DISK DRIVE CONNECTOR

### IDE1: Hard Disk Drive Connector

The PMB-472 possesses two HDD connectors, IDE1 and IDE2. The pin assignments are as follows:

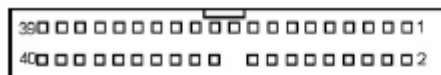
PIN	ASSIGNMENT	PIN	ASSIGNMENT
1	IDERST	2	GND
3	PDD7	4	PDD8
5	PDD6	6	PDD9
7	PDD5	8	PDD10
9	PDD4	10	PDD11
11	PDD3	12	PDD12
13	PDD2	14	PDD13
15	PDD1	16	PDD14
17	PDD0	18	PDD15
19	GND	20	NC
21	PDREQ	22	GND
23	PDIOW#	24	GND
25	PDIOR#	26	GND
27	PIORDY	28	PULL LOW
29	PDDACK#	30	GND
31	IRQ14	32	NC
33	PDA1	34	P66 DETECT
35	PDA0	36	PDA2
37	PDCS#1	38	PDCS#3
39	IDEACTP#	40	GND
41	VCC	42	VCC
43	GND	44	GND



**IDE1**

### IDE2: Hard Disk Drive Connector

The pin assignments are as follows:



**IDE2**

PIN	ASSIGNMENT	PIN	ASSIGNMENT
1	IDERST	2	GND
3	SDD7	4	SDD8
5	SDD6	6	SDD9
7	SDD5	8	SDD10
9	SDD4	10	SDD11
11	SDD3	12	SDD12
13	SDD2	14	SDD13
15	SDD1	16	SDD14
17	SDD0	18	SDD15
19	GND	20	NC
21	SDREQ	22	GND
23	SDIOW#	24	GND
25	SDIOR#	26	GND
27	SIORDY	28	PULL LOW
29	SDDACK#	30	GND
31	IRQ15	32	NC
33	SDA1	34	S66 DETECT
35	SDA0	36	SDA2
37	SDCS#1	38	SDCS#3
39	IDEACTS#	40	GND

## 2-20. FLOPPY DISK DRIVE CONNECTOR

**FDD1** : Floppy Disk Drive Connector

The pin assignments are as follows :



### FDD1

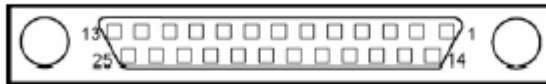
PIN	ASSIGNMENT	PIN	ASSIGNMENT
1	VCC	2	INDEXJ
3	VCC	4	DSAJ
5	VCC	6	DSKCHGJ
7	NC	8	NC
9	NC	10	MOAJ
11	NC	12	DIRJ
13	DRVDEN0	14	STEPJ
15	GND	16	WDATAJ
17	GND	18	WGATEJ
19	GND	20	TRACK0J
21	GND	22	WPTJ
23	GND	24	RDATAJ
25	GND	26	HEADJ

## 2-21. PRINTER CONNECTOR

**JPRNT1** : Printer Connector

As to link the Printer to the card, you need a cable to connect both DB25 connector and parallel port.

The pin assignments are as follows :



### JPRNT1

PIN	ASSIGNMENT	PIN	ASSIGNMENT
1	STB	14	AFD#
2	PDR0	15	ERROR#
3	PDR1	16	PAR_INIT#
4	PDR2	17	SLIN#
5	PDR3	18	GND
6	PDR4	19	GND
7	PDR5	20	GND
8	PDR6	21	GND
9	PDR7	22	GND
10	ACK#	23	GND
11	BUSY	24	GND
12	PE	25	GND
13	SLCT		



## 2-22. UNIVERSAL SERIAL BUS CONNECTOR

**JUSB1:** Universal Serial Bus Connector

The pin assignments are as follows:

PIN	ASSIGNMENT
1	VCCUSB2
2	VCCUSB2
3	USB2N_R
4	USB3N_R
5	USB2P_R
6	USB3P_R
7	GND
8	GND
9	GND
10	GND



**JUSB2:** Universal Serial Bus Connector

The pin assignments are as follows:

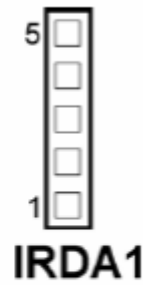
PIN	ASSIGNMENT
1	VCCUSB3
2	VCCUSB3
3	USB4N_R
4	USB5N_R
5	USB4P_R
6	USB5P_R
7	GND
8	GND
9	GND
10	GND



## 2-23. IRDA CONNECTOR

**IRDA1:** IrDA (Infrared) Connector  
The pin assignments are as follows:

PIN	ASSIGNMENT
1	+5V
2	NC
3	IRRX
4	GND
5	IRTX



## 2-24. LAN CONNECTOR

**LAN2:** LAN Connector  
The pin assignments are as follows:

PIN	ASSIGNMENT
1	LAN2_TXP_R
2	2VDD33
3	LAN2_TXN_R
4	LAN2_ACT_R
5	GND
6	LAN2_LINK100_R
7	LAN2_RXP_R
8	LAN2_LINK10_R
9	LAN2_RXN_R
10	NC



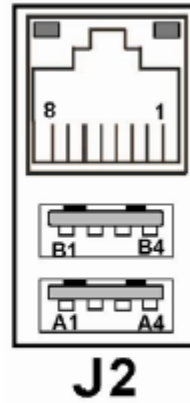
## 2-25. USB&LAN CONNECTOR

**J2: USB & LAN Connector (10/100 LAN)**

The pin assignments are as follows:

LAN:

PIN	ASSIGNMENT
1	MDI_0P
2	MDI_0N
3	MDI_1P
4	MDI_1N
5	MDI_2P
6	MDI_2N
7	MDI_3P
8	MDI_3N



LAN LED Indicator:

Left side LED:

Green Color on	10/100 LAN Speed Indicator
Orange Color on	Giga LAN Speed Indicator
off	No LAN switch/hub connected

Right side LED:

Yellow Color Blinking	LAN Message Active
off	No LAN Message Active

USB:

PIN	ASSIGNMENT
A1	VCCUSB1
A2	USB1N_R
A3	USB1P_R
A4	GND
B1	VCCUSB0
B2	USB0N_R
B3	USB0P_R
B4	GND

## 2-26. WAKE-ON-LAN CONNECTOR

**JWOL1:** Wake-On-LAN Connector

The pin assignments are as follows:

PIN	ASSIGNMENT
1	5VSB
2	GND
3	LWAKE



**JWOL2:** Wake-On-LAN Connector

The pin assignments are as follows:

PIN	ASSIGNMENT
1	5VSB
2	GND
3	PMEJ

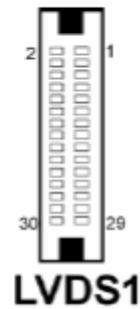


## 2-27. LVDS CONNECTOR

**LVDS1 :** LVDS Connector.

The pin assignments are as follows:

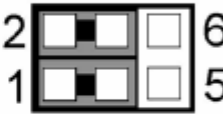
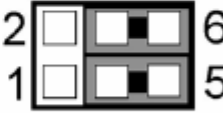
PIN	ASSIGNMENT	PIN	ASSIGNMENT
1	LCD_VCC	2	GND
3	ZCM	4	ZCP
5	GND	6	Z2M
7	Z2P	8	GND
9	Z1M	10	Z1P
11	Z3P	12	Z3M
13	Z0P	14	Z0M
15	GND	16	YCP
17	YCM	18	GND
19	Y2P	20	Y2M
21	GND	22	Y1P
23	Y1M	24	GND
25	Y0P	26	Y0M
27	Y3P	28	Y3M
29	LCD_VCC	30	LCD_VCC



## 2-28. LVDS PANEL VOLTAGE SELECTION

**JP5** : LVDS Panel Voltage Selection.

The selections are as follows:

SELECTION	JUMPER SETTING	JUMPER ILLUSTRATION
LVDS_VCC3	1-3 2-4	 <b>JP5</b>
LVDS_VCC5	3-5 4-6	 <b>JP5</b>

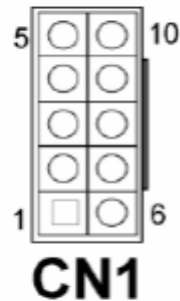
\*\* Manufacturing Default: LVDS\_VCC3\*\*

## 2-29. ATX POWER CONNECTOR

**CN1** : ATX Power Connector

The pin assignments are as follows:

PIN	ASSIGNMENT
1	VCC
2	VCC
3	GND
4	GND
5	+12V
6	5VSB
7	VCC
8	GND
9	PS-ON
10	-12V



## 2-30. SOUND CONNECTOR

**JAUDIO1** : Sound Connector, including Line-In, Line-Out & Mic.  
 Also can support only MIC connector. The pin assignments are as follows :

**SPDIF (inside the Line-In hole)**

PIN	ASSIGNMENT
#	Photo type

**Line-In: light blue color**

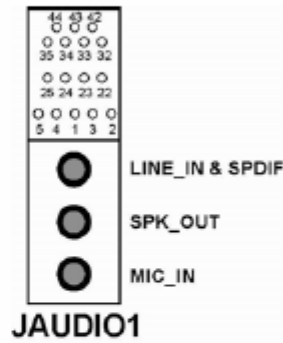
PIN	ASSIGNMENT
1	GND
2	LINE_L
3	LINE_R

**SPK-Out: light green color**

PIN	ASSIGNMENT
1	GND
2	SPK_L
3	SPK_R

**Mic-In: pink color**

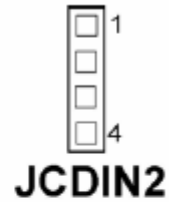
PIN	ASSIGNMENT
1	GND
2	MIC_IN1
3	MIC_IN2



## 2-31. CD AUDIO-IN CONNECTOR

**JCDIN2** : CD Audio-In Connector  
The pin assignments are as follows:

PIN	ASSIGNMENT
1	CD L
2	CDGND
3	CDGND
4	CD R



## 2-32. SPEAKER CONNECTOR

**SPK1** : Speaker Connector  
The pin assignments are as follows:

PIN	ASSIGNMENT
1	SPK L
2	GND
3	SPK R



## 2-33. MEMORY INSTALLATION



PMB-472 CPU Card can support up to 1GB in one SODIMM sockets.  
**DRAM BANK CONFIGURATION**

SO-DIMM	TOTAL MEMORY
128MB	128MB
256MB	256MB
512MB	512MB
1GB	1GB

## 2-34. PCI SLOT PIN 26 SELECTION

**JP6** : PCI/Riser Card Selection.

The selections are as follows:


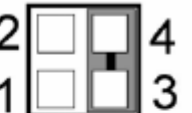
SELECTION	JUMPER SETTING	JUMPER ILLUSTRATION
PCI (IDSEL)	1-2	 <b>JP6</b>
Riser Card (P_GNT#5)	2-3	 <b>JP6</b>

\*\* Manufacturing Default: Riser Card\*\*

## 2-35. RESET/ NMI SELECTION

**JP9** : Reset/NMI Selection.

The selections are as follows:

SELECTION	JUMPER SETTING	JUMPER ILLUSTRATION
Reset	1-2	 <b>JP9</b>
NMI	3-4	 <b>JP9</b>



\*\* Manufacturing Default: Reset\*\*



## 2-36. CF MASTER/ SLAVE SELECTION

**JP3** : CF Master/ Slave Selection.

The selections are as follows:

SELECTION	JUMPER SETTING	JUMPER ILLUSTRATION
Master	1-2	 <b>JP3</b>
Slave	Open	 <b>JP3</b>

\*\* Manufacturing Default: Master\*\*

## 2-37. PCI SLOT SIGNAL EXPLANATION

In order to support standard PCI and PCI riser board for up to 3 PCI devices, the PCI slot signals in this mainboard are listed below:

PIN	Standard	Riser
A1	TRST#	SERIRQ
A9	RSVD	CLKC
A11	RSVD	CLKD
A14	RSV->3VSB	GNT1#
A19	PME#	REQ2#
A26	IDSEL	GNT2#
A40	SMBCLK	REQA#
A41	SMBDATA	GNTA#
B2	TCK	ISA_CLK
B9	PRSENT1#	REQ3#
B10	RSVD	REQ1#
B11	PRSENT2#	GNT3#
B14	RSVD	CLKA
B16	CLK	CLKB

## 2-38. PCI RISER BOARD INFORMATION

For correctly operation for 3 PCI devices on the PCI slot of PMB-472, the particular PCI riser card must be followed to the following recommendation. Professional technical consultant may need for designing the right riser board or purchasing from the same manufactories' riser board.

PCI Routing Table

IDSEL	INTJ0	INTJ1	INTJ2	INTJ3	REQ#	GNT#	CLK
AD28	A	B	C	D	P_REQJ3	P_GNTJ3	PCI_CLK3
AD29	B	C	D	A	P_REQJ4	P_GNTJ4	PCI_CLK4
AD30	C	D	A	B	P_REQJ5	P_GNTJ5	PCI_CLK5

## 2-39. DIGITAL I/O PORT

**DIO1** : Digital Input/Output Port

The pin assignments are as follows:

PIN	ASSIGNMENT
1	VCC
2	GND
3	Input bit 0
4	Output bit 0
5	Input bit 1
6	Output bit 1
7	Input bit 2
8	Output bit 2
9	Input bit 3
10	Output bit 3



Input Port: Read I/O 440H

Output Port: Write I/O 441H