CMB-377

Mini Barebone system Intel High Performance Platform

Installation Guide Edition 1.11 2025/02/07



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Packing List:

CMB-377 Chassis x 1

(Including LS-377 Motherboard)

DSPD-080-12A 80W AC-DC Adapter x 1



CPU Cooler x 1



DVI Adapter x1 DVI Cable x1





COM PORT cable x 1



DC_IN Power Cable x 1 SATA (7P+15P)Cable x 1

Hardware Installation: <Motherboard placement>









<Jumper Location & Reference>

Jumper	Function
JRTC	CMOS Operating/Clear Setting
JAT	Power mode select
JP1	COM1 signal mode switch (For Pin-1 & Pin-9)
JP2	COM2 signal mode switch (For Pin-1 & Pin-9)
JCSEL1	CN_COM2 RS-232 RS422 RS485 Setting / CN_IR IrDA
JCSEL2	Setting

Jumper: JAT

Type: onboard 3-pin header

Power Mode	JAT
AT Mode	1-2
ATX Mode	2-3
Default setting: ATX Mode	

Jumper: JP1 (COM 1)

Type: onboard 6-pin header

Power Mode	JP1
Pin1 with 5V signal	1-2,5-6
Pin9 with 12V signal	3-4,5-6
Default setting: 5-6	² 1 5

Jumper: JP2 (COM 2)

Type: onboard 6-pin header

Power Mode	JP2
Pin1 with 5V signal	1-2,5-6
Pin9 with 12V signal	3-4,5-6
Default setting: 5-6	$2^{1}_{1}_{5}^{6}_{5}$

<Setting RS-232, RS-422, RS-485 & IrDA >

Function	JCSEL1	JCSEL2
IrDA		2 12 2 12 1 11
RS-422		2 12 1 11
RS-485	2 8 1 7	2 12 1 11
RS-232		2 12 1 11

<Internal Connectors>

Connector	Function	Remark
CPU	Socket rPGA989 for PGA988 CPU	
SO-DIMM	204 -pin DDR3 SO-DIMM socket	
SATA1/2	7-pin Serial ATA connector	
DC_IN	DC 9~24V input connector	
CN_AUDIO	5 x 2-pin audio connector	
CD_IN	4-pin CD-ROM audio input connector	
CN_DIO	6 x 2-pin digital I/O connector	
CN_USB 1/2	5 x 2-pin USB connector	
CPUFAN	4-pin CPU cooler fan connector	
SYSFAN	3-pin system cooler fan connector	
CN_LVDS	20 x 2-pin LVDS connector	
CN_INV	5-pin LCD inverter connector	
CN_IR	5-pin IrDA connector	
JFRNT	10-pin front panel switch/indicator	
	connector	
Mini-PCI	124-pin Mini-PCI socket Type IIIA	
Mini-PCIE	52-pin Mini-PCIE socket	
CN_COM2	9-pin RS422/485/232	
JAT	Power mode select	

<External Connectors>

Connector	Function	Remark
RJ45	RJ45 LAN connector	
COM1 + CRT	COM1 Connect DB15 and analog VGA connector	
PS/2	PS/2 keyboard and mouse connector	
USB	2 x USB	

<CPU and Memory Setup>

The board comes with the socket rPGA-988A for Intel Arrandale and Clarkfield Processor, Intel® Smart 8MB Cache. Please follow the instruction to install the CPU properly.



2. Follow the pin



screw drive to unlock

3. Lock the socket

4. CPU socket has 989 pins



2.4.2 <Memory Setup>

The board provides 1 x 204-pin DDR3 SO-DIMM to support 800/1066MHz DDR3 memory module up to 4GB.



I/O panel:

Front:



Rear panel:



Chassis Setup procedure:

1. Screw off as indication of the picture below.





2. Push the Chassis shield towards the back then open it.



3. Turn the CPU cooler screws and then refer the page.9 to install the CPU.(After installing CPU, please turn the CPU FAN screws to tighten.)



4. Screw off as indication of the picture below.



5. Insert the DDRII SO-DIMM module into the socket at 45 degree. Press down the module with a click sound.





6. Put on HDD driver into HDD holder then turn the HDD drive screws to tighten.





7. Connect SATA cable to motherboard.



8. Put SATA cable holder through the motherboard holder.



9. Connect SATA cable from motherboard to the HD drive.



10. Put the Chassis shield back and screw on as indication of the picture below Turn the screws.





11. Put the top Chassis shield back and screw on as indication of the picture below.



12. Screw on as indication of the picture below.



13. Finish



Contact Information

Any advice or comment about our products and service, or anything we can help you please don't hesitate to contact with us. We will do our best to support you for your products, projects and business

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