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Ultra Compact Embedded System

EBS 1573P

Installation Guide



Handling Precautions

1. Always disconnect the unit from the power outlet whenever you are installing or fixing a component inside the chassis.
2. If possible, always wear a grounded wrist strap when you are installing or fixing a component inside the chassis. Alternatively, discharge any static electricity by touching the bare metal chassis of the unit case, or the bare metal body of any other grounded appliance.
3. Hold electronic circuit boards (such as the EBC573 board) by the edges only. Do not touch the components on the board unless it is necessary to do so. Do not flex or stress the circuit board.
4. Use the correct screws and do not overly tighten them.
5. Keep the original packaging and static-protective bag in case the unit has to be returned.

Packing List

ASSEMBLAGES

- * EBC573 CPU embedded board x 1
- * EBKP57R1 x 1
- * EBS 1573P chassis set x 1
- * IDE Cable x 1
- * COM Port Cable x 1
- * 120W Power Adapter x 1

ACCESSORIES

- * EBC573 Driver CD x 1
- * EBC573 Quick Reference Guide x 1
- * PS2 keyboard/mouse cable x 1

Specifications

Construction:

- * Heavy-duty steel chassis

Dimensions:

- * 185mm(w) x 76.2mm(H) x 267mm (D)

Main Board:

- * EBC573
- * Support Intel® Pentium® M or Celeron® M
- * Chipset: Intel® 852GM/GME

Memory:

- * Two 184-pin DDR DIMM socket support un-buffered non-ECC DDR 200/266 (852GM only), Max. 1G
- * Two 184-pin DDR DIMM socket support un-buffered ECC or non-ECC DDR 200/266/333(852GME only), Max. 2G

Storage

- * One 2.5" HDD Driver Space. The Drive bay is also available for the Secondary Compact Socket through EBK CF module, and they share the same space. User only can choose either one.
- * On board Compact Flash Socket

PCI Expansion:

- * 32bits PCI slot for external expansion.
- * The PCI Add-ON-Card can support the Max. Length up to 240mm

Front I/O Ports:

- * Optional customized logo
- * HDD / Power / LAN status LEDs

Rear I/O Ports:

- * PS/2 keyboard/mouse x 1
- * USB 2.0 x 4 ports
- * Serial port x 4
- * Audio Speaker out with Amplifier / Microphone-in
- * One Channel Dual pixels LVDS directly output
- * 10/100 Ethernet LAN x 2
- * VGA connector x 1
- * S-Video TV-out x 1
- * DC power input x 1
- * Power On/Off switch x 1
- * PCI Expansion Slot x 1

Power Source:

- * DC to DC power design on board support 12VDC ~ 30V DC (Max. 120W)

Environments:

- * Operating temperature on Tcase: 0°C ~ 40°C
- * Storage temperatures: -20°C to 80°C
- * Relative humidity: 10% to 90% (Non-condensing)

Certification:

- * CE Approval
- * FCC Class A Approval

Open/Close Chassis



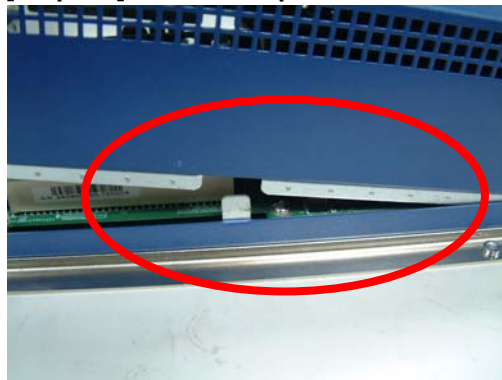
[Step 1.1] Remove 2 screws from the top.



[Step 1.2] Push the top forward.

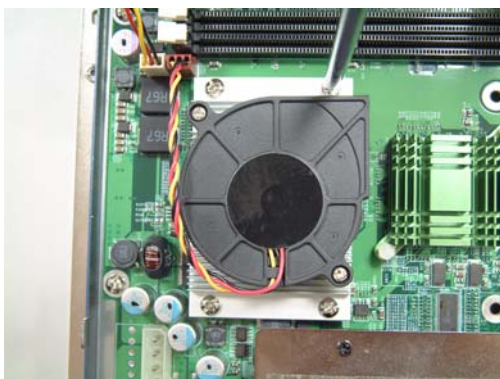


[Step 1.3] Raise the top slowly. Beware the connector.

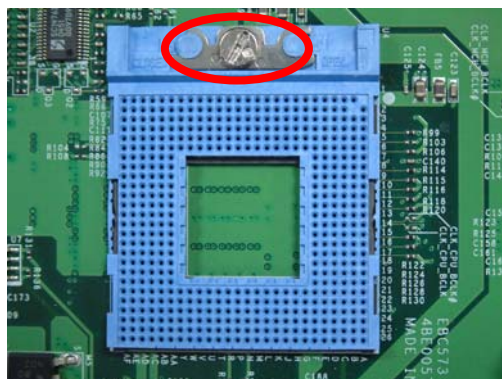


[Step 1.4] When you try to close the chassis, you must match both side fillisters of chassis first.

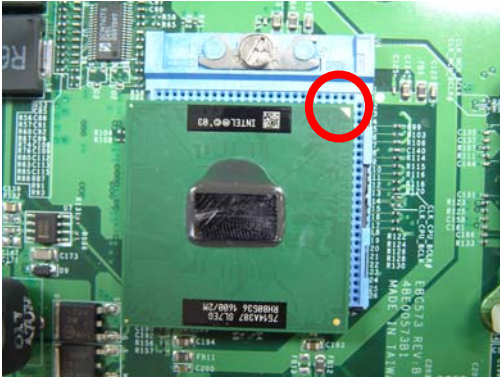
Installing/Removing CPU



[Step 2.1] Unscrew 4 screws on heat sink.



[Step 2.2] Be sure the CPU socket in open position.



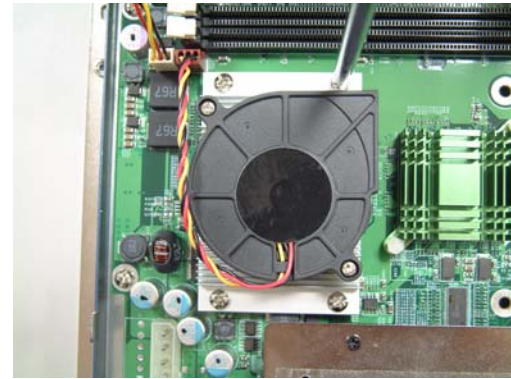
[Step 2.3] Pay attentions to CPU installation.



[Step 2.4] Lock the CPU Socket.

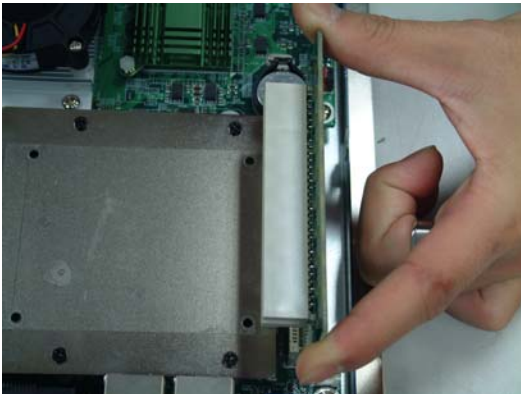


[Step 2.5] Apply the heat sink silicon.

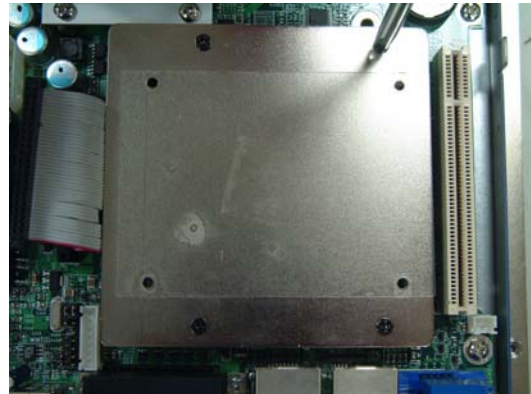


[Step 2.6] Lock the heat sink with 4 screws.

Installing/Removing Hard Disk



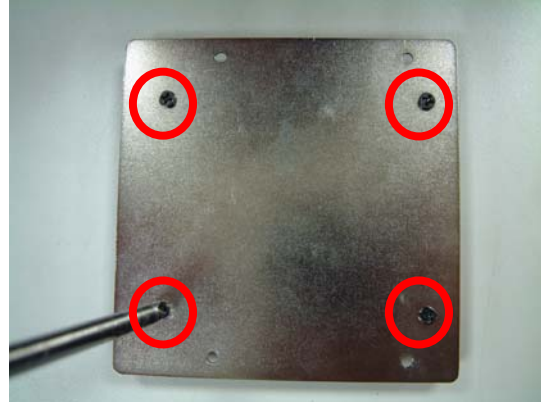
[Step 3.1] Remove the rise card.



[Step 3.2] Remove 4 screws from the HD bracket.



[Step 3.3] Put the 2.5" HD on the HD bracket. Be ware when the HD is locked, the HD can't protrude.



[Step 3.4] Lock HD with 4 screws.



[Step 3.5] Lock the HD bracket back and make sure it is properly secured. Plug HDD cable and pay attention to pin1 of cable. (pin1 is indicated in red).

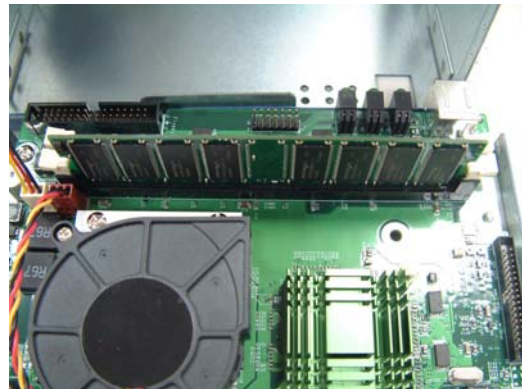


[Step 3.6] Plug the rise card back.

Installing/Removing Memory Card



[Step 4.1] Open the RAM socket.



[Step 4.2] Insert either 1 or 2 DDR