THE POSSIBILITIES ARE INFINITE

FUJITSU

DESCRIPTION PAPER

Assembly advice for IPC Chassis in combination with Mainboard D2963-Sx

Issue   March, 2010

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Contents

Preparation

To assemble the Mainboard D2963-Sx (both versions can be used in nearly the same kind of assembly) into the IPC Chassis please go on the following steps.
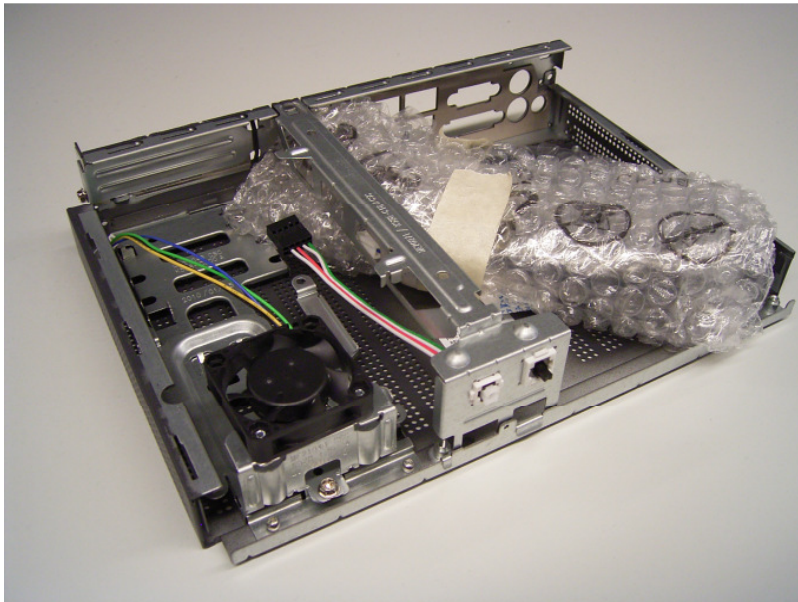
1 IPC Chassis closed

2 IPC Chassis opened

Open the chassis like in picture 2.

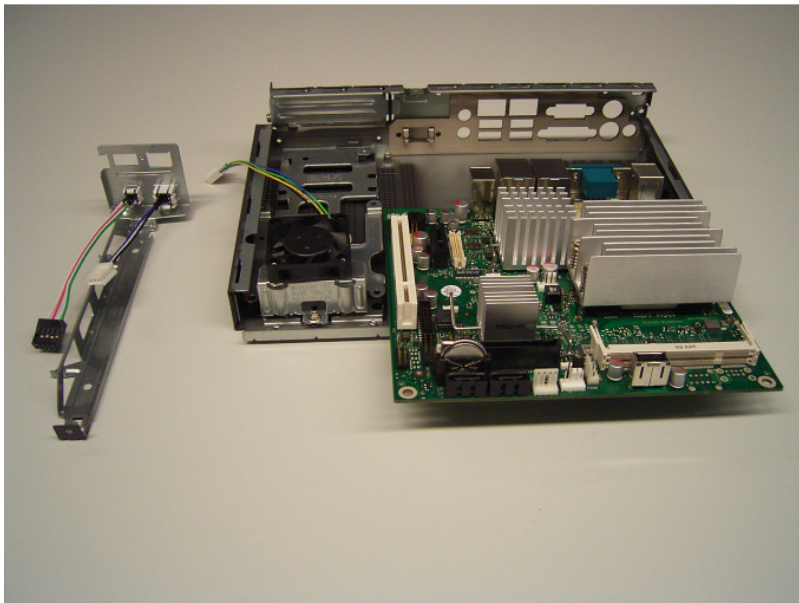3 opened chassis with kit accessories

4

kit accessories

(drive power cable, S-ATA cable, AC-plug fixture, WLAN module gasket, chassis mounting)
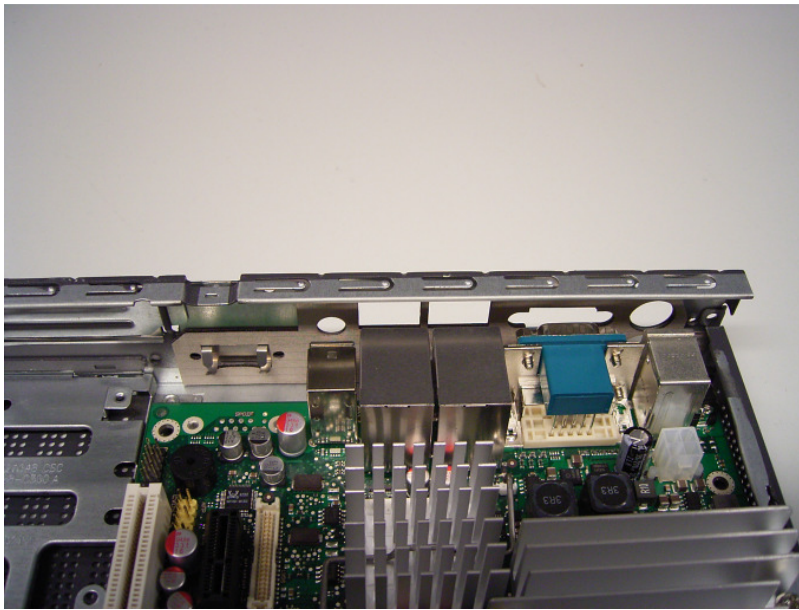
Assembly

1

D2963-S1 in IPC Chassis

Remove the crossing strut first. Then it's possible to insert the mainboard into the chassis.
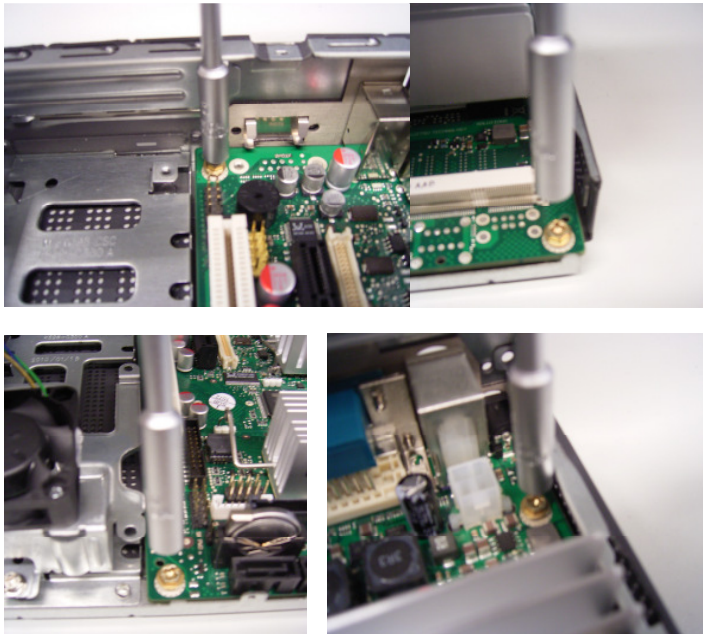
2

I/O shield

Be aware of the exact fitting of the board within the I/O-shield
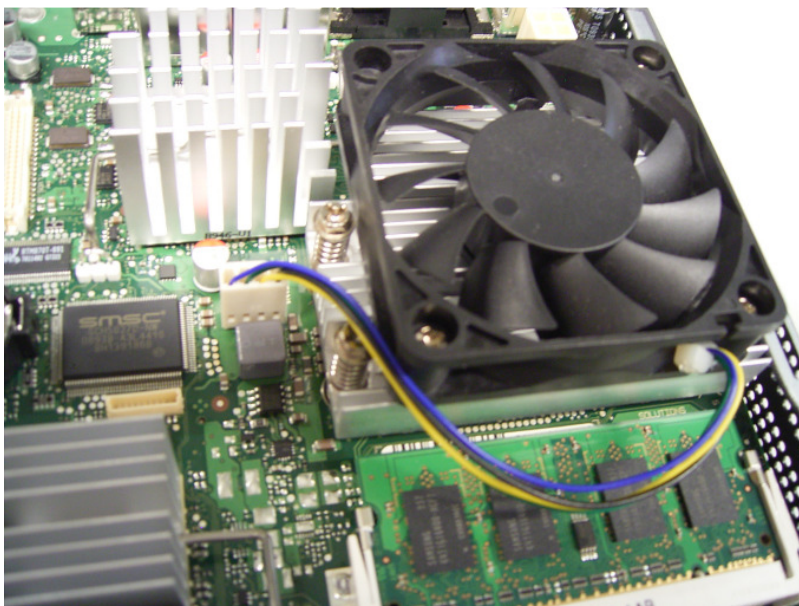
3

Screws to fit the mainboard in the chassis

Four screws fit the mainboard in the chassis.

Two have been placed on the front side, one at the back close to the mounting plate on the left side of the board. The fourth one is placed between the AC-plug and the cooling part of the processor.
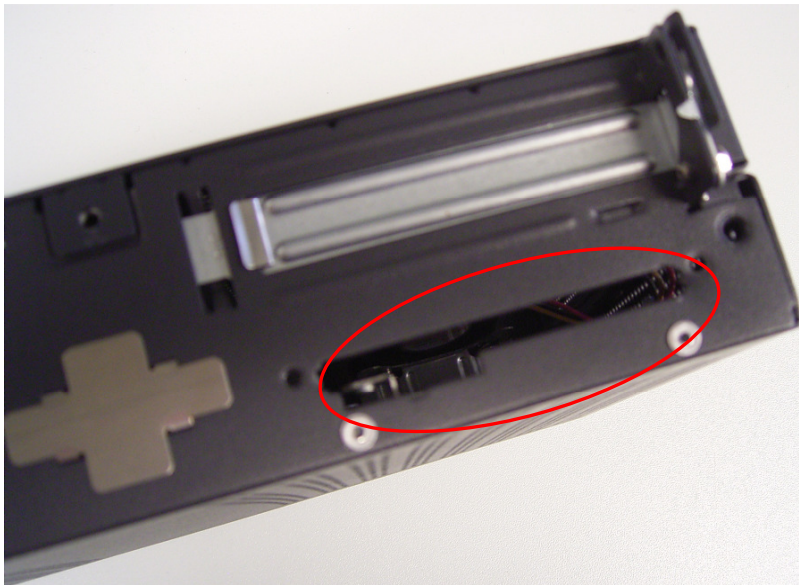
4

Cooling unit

For D2963-S1 please assemble the passive cooling unit there.

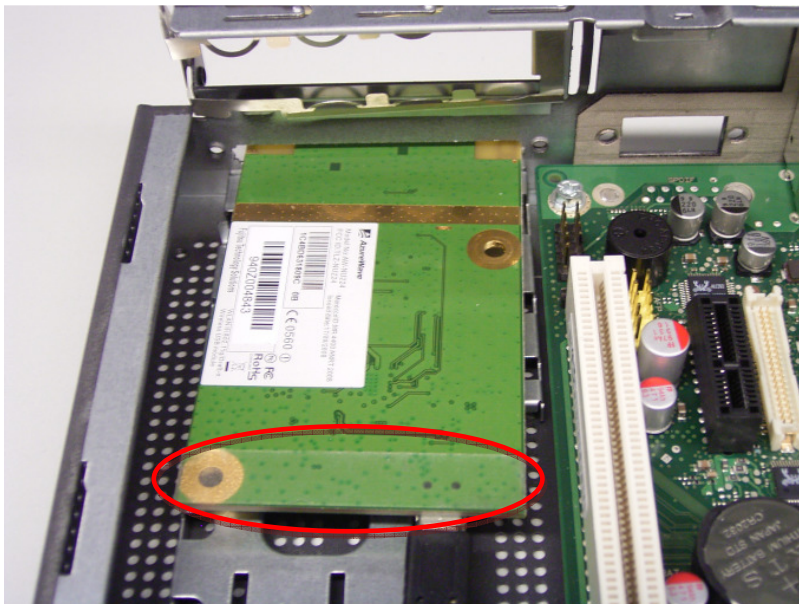For D2963-S2 please use the active cooling unit, which is mentioned here.

5

WLAN Module – optional part

If you want to use the WLAN module, please break out the metal part.
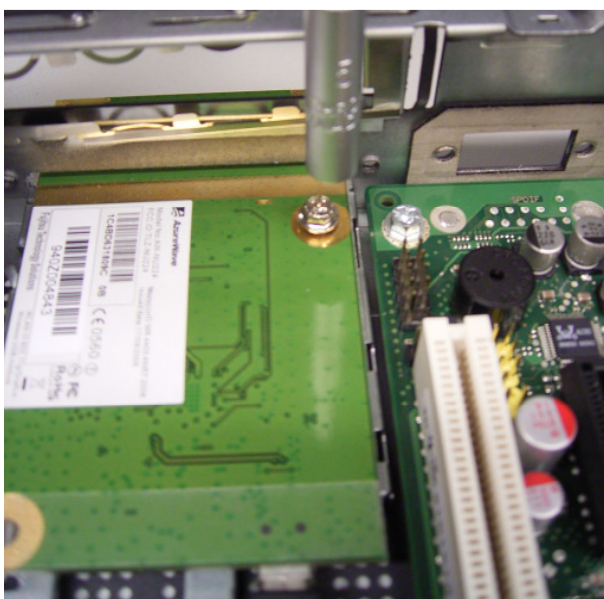
6

WLAN module – optional part

Insert the USB WLAN module carefully. Pay attention to the mounting hole and the distance keeper.

Please attach the tape on the WLAN module like here in the picture. This tape has been delivered with the chassis.
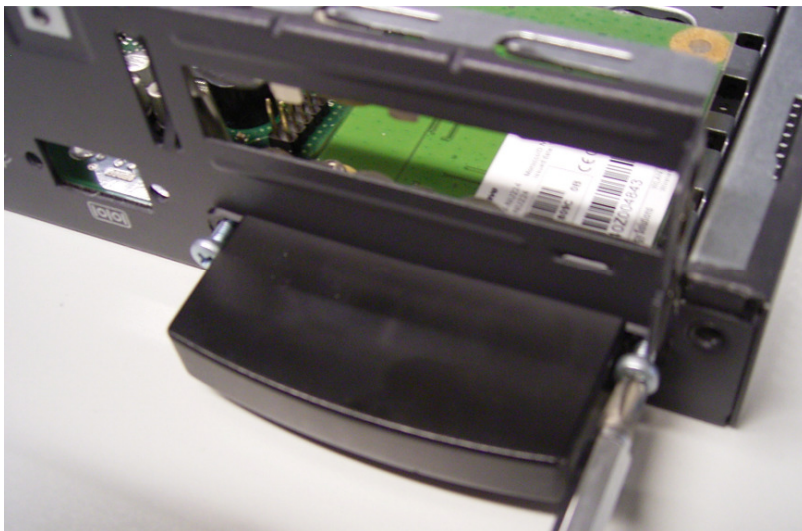
7

WLAN module – optional part

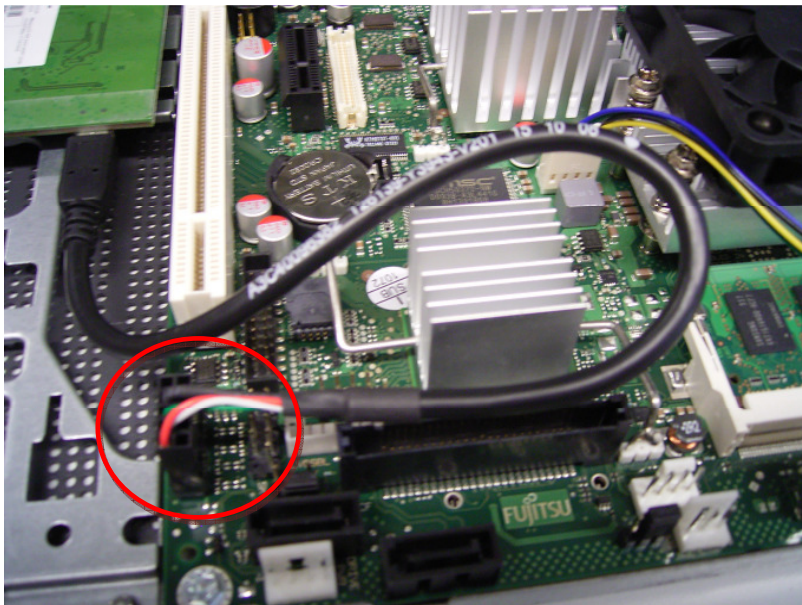Please use the screw to fix the WLAN module on the mounting plate.

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WLAN module – optional part

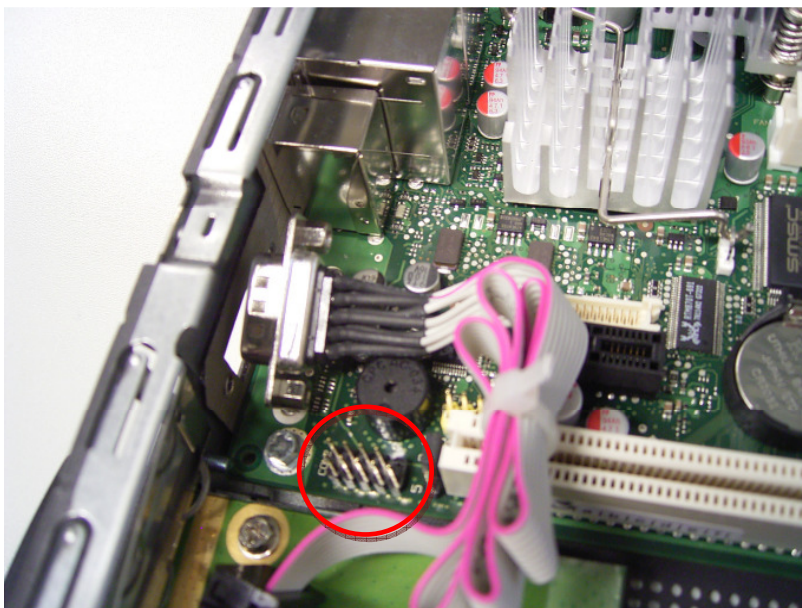To fix the WLAN module and protect them please attach the covering.

9

WLAN module – optional part

Please use the cable to connect the WLAN module with the mainboard.

Follow the proposal here to prevent damages on the cable.

10

Second serial connector – optional part

To use the second serial connector with the IPC chassis, please remove the standard metal bracket from the connector.
Then the plug should looks like here.

Remove the metal cover for the second serial plug.

Use the marked connector to link the serial plug to the mainboard.

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Second serial connector – optional part

Mount the plug with the screws that are shown here.
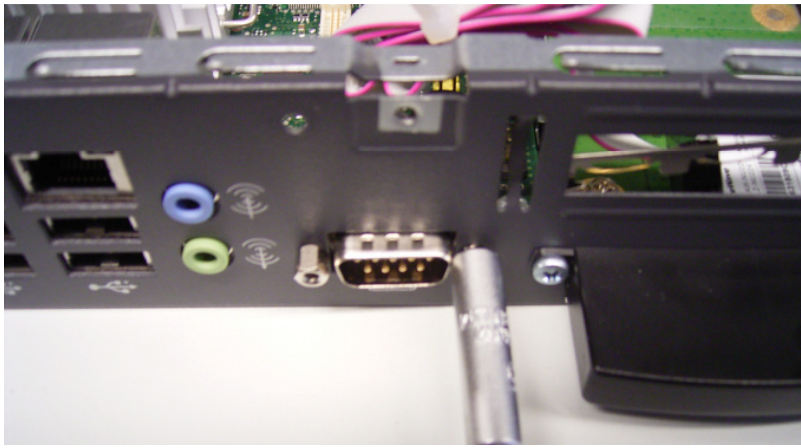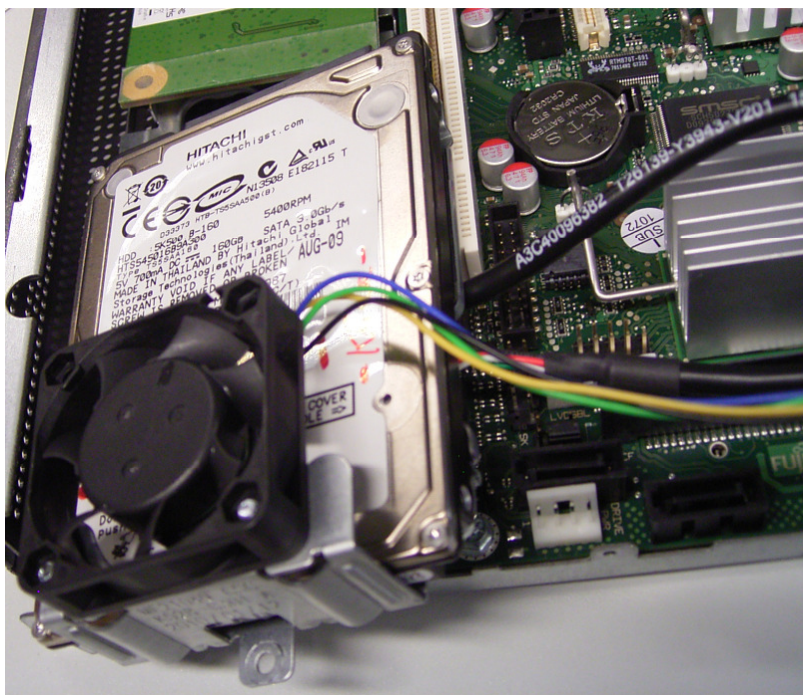
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HDD bracket – optional

If you would like to configure the system with a HDD you have to use the HDD bracket.
The HDD can be fixed with four screws at the bottom site of the bracket.
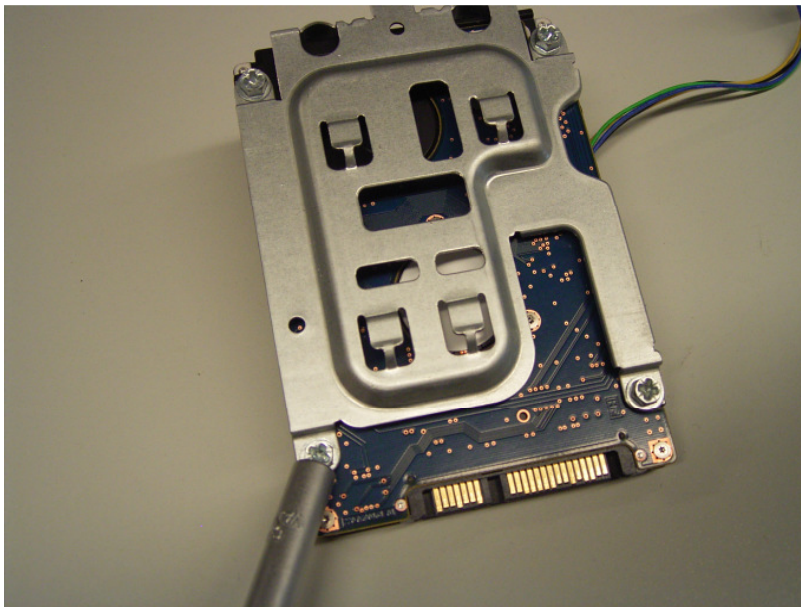
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HDD bracket – optional

Before you insert the bracket, please connect the power drive cable and the S-ATA-cable.
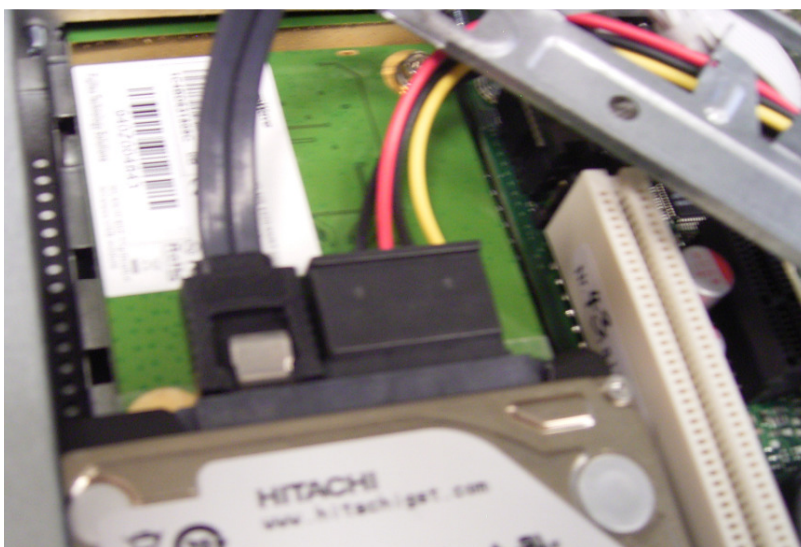
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HDD bracket – optional

If you insert the equipped HDD bracket, be aware of the cable routing of the WLAN module.
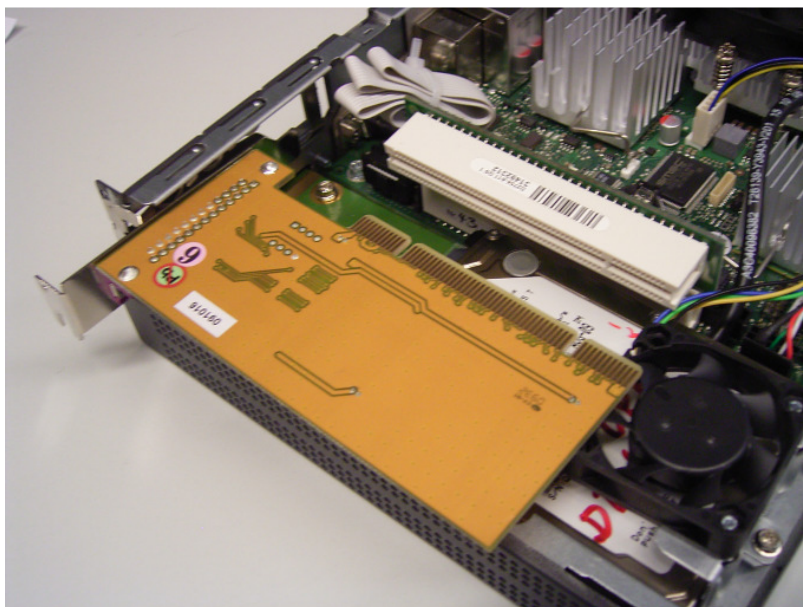
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Riser card – optional

Use the PCI slot to install the riser card. Pay attention to the right fitting.
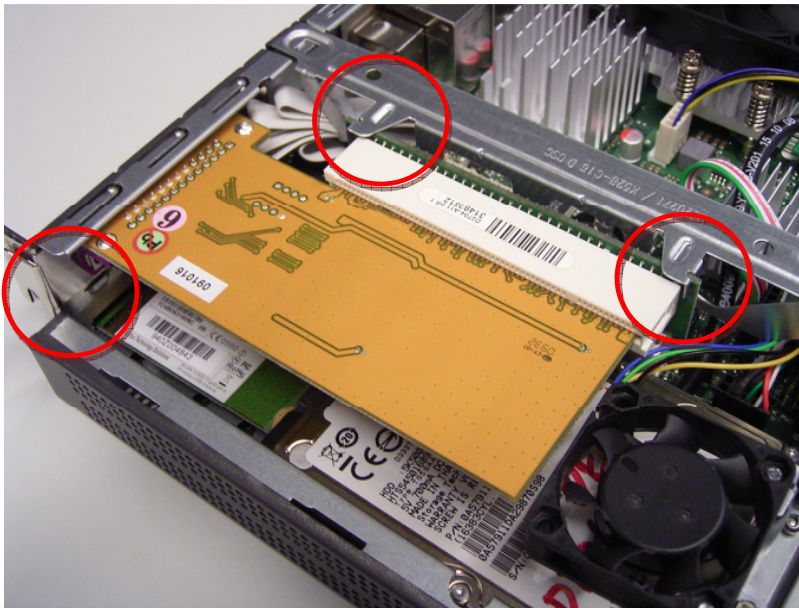
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Riser card – optional extension card

To install an extension card please remove the metal cover at the rear side of the housing.

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Riser card – optional extension card

To fix the riser card in this position, add the crossing strut.

Use one screw to mount the card from the rear side.
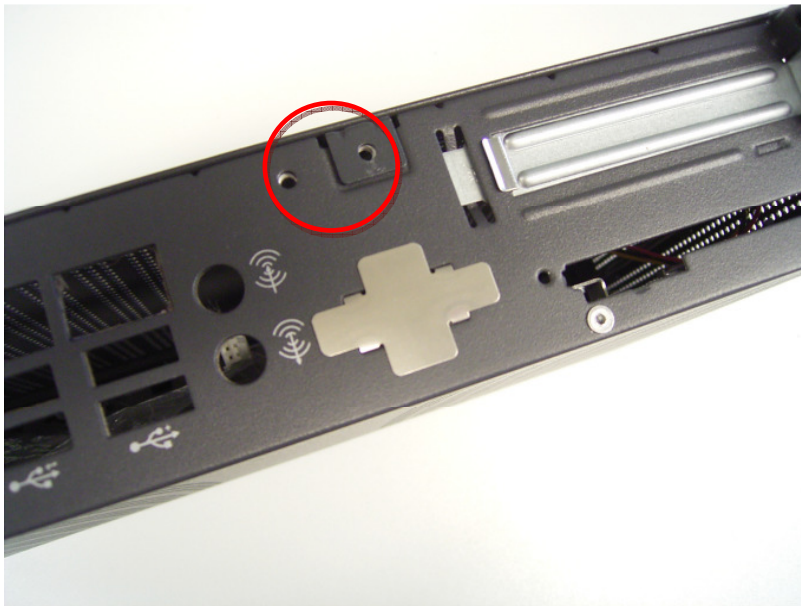
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AC-plug fixture

At the rear side of the chassis it is possible to fix the AC-plug with a fortification.

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Chassis mounting / foot assembly

20

Housing screws

1x on the left side
1x in the middle of the housing
1x to fix the crossing strut

Configuration (Adjusted fan settings for industrial Mini-ITX chassis)

1

Supported mainboards:
 D2963-S1
 D2963-S2

Changes versus default settings:
 Minimum fan speed (chassis fan) reduced
 Startup temperature and speed range adjusted

How to install the new settings:

Copy smco.exe and smco.in to a DOS-bootable device

Run "smco" after booting DOS

Note:
The new fan settings will remain unchanged after a BIOS update.

Further information and contacts

If you have any further questions please contact the OEM-Sales Team.