



## Legacy Hardware How-Tos

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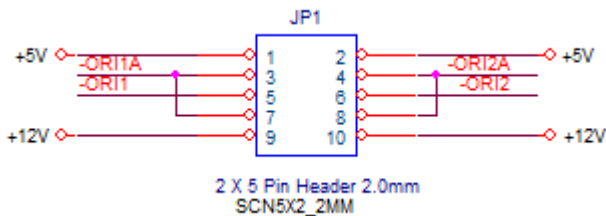
## Possible Jumper Assignments on Com Port M330C

How much voltage does the serial port (9 pin) offer?



There are different combinations of jumper assignments on the connectivity bar of the IGEL-M330C Series (IGEL UD3/IZ3):

- The serial ports default setting is **Normal Ring**.



- +5V / +12V** can be supported by setting the jumpers on the POF board:

|       |             |                |
|-------|-------------|----------------|
| COM 1 | Normal Ring | (3-5) or (5-7) |
|       | +5V Power   | (1-3)          |
|       | +12V Power  | (7-9)          |
| COM 2 | Normal Ring | (4-6) or (6-8) |
|       | +5V Power   | (2-4)          |
|       | +12V Power  | (8-10)         |

# UD7 Model H850C: Installing the AMD E9173 Graphics Card

## Prerequisites

- IGEL UD7-LX 10, UD7-LX 11 and/or UD7-W10 10c
- AMD E9173 graphics card and rubber cubit
- Phillips screwdriver

The AMD Embedded Radeon™ E9173 discrete GPU is a graphics card for devices from the UD7-LX 10, UD7-LX 11 and UD7-W10 10c series. The graphics card extends UD7 with the 4<sup>th</sup> DisplayPort (2560x1600 @60Hz) for configurations with 4 monitors.

This how-to explains how you install the graphics card.

## Steps

### **Liability Note**

The Terms and Conditions of IGEL GmbH apply, see <https://www.igel.com/terms-conditions/>.

The AMD E9173 graphics card must be installed by specially trained and experienced staff only.

The warranty period of the AMD E9173 graphics card is one year.

The warranty does not apply to loss of, or damage to, IGEL Hardware arising as a result of:

- Shipping or improper installation or maintenance.
- Misuse, neglect, adjustment or storage of the IGEL Hardware in an unsuitable environment.
- Any use of the IGEL Hardware for a use other than ordinary commercial or industrial application.
- Repair, modification or installation of parts by the End Customer or an unauthorised third party.
- Excessive or inadequate heating or air conditioning, or electrical power failures, surges or other irregularities.
- Any use of the IGEL Hardware outside of the technical specifications of the IGEL Hardware.

IGEL is not liable for IGEL Hardware descriptions and defect warranties given by third parties.

### **Warning**

Danger of electric shock! Disconnect the device from the power supply before you begin installing the graphics card.

-  To benefit from further enhancements in the software support of the AMD E9173 graphics card, please make sure you are always running the latest version of IGEL OS.

To install the graphics card, proceed as follows:

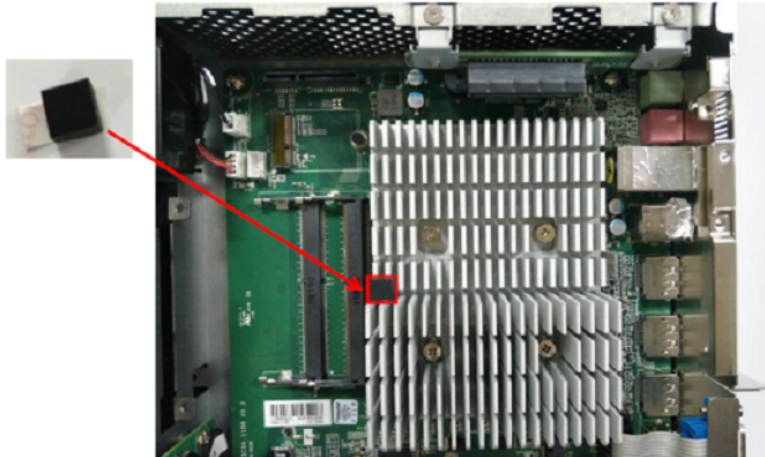
1. Place the device on a soft and slip-resistant surface.



2. Push the side cover backwards to release it from the device casing.



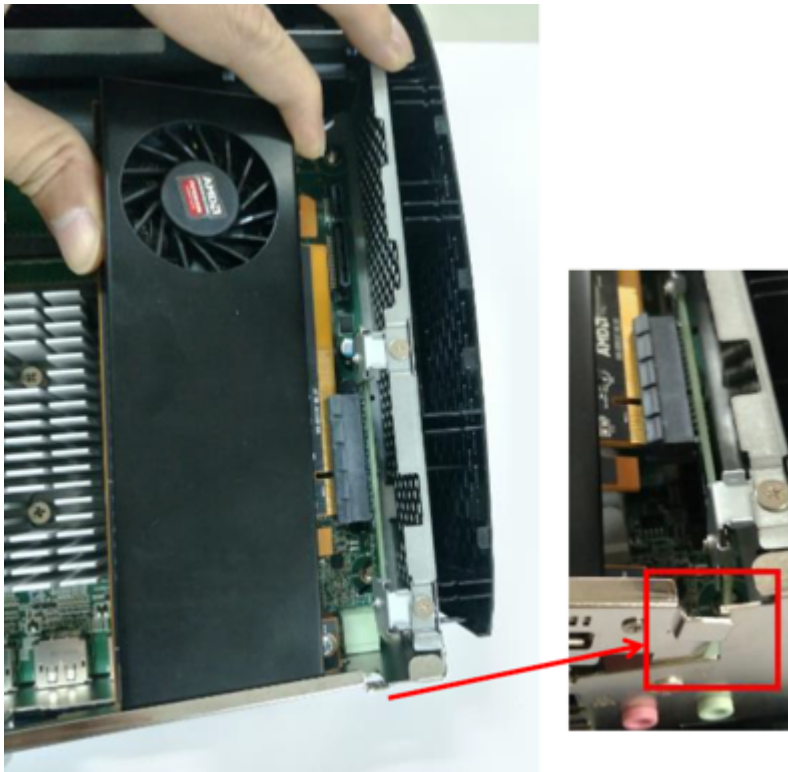
3. Remove the protective foil from the rubber cubit.  
Now attach the rubber cubit to the heat sink as shown in the figure below.



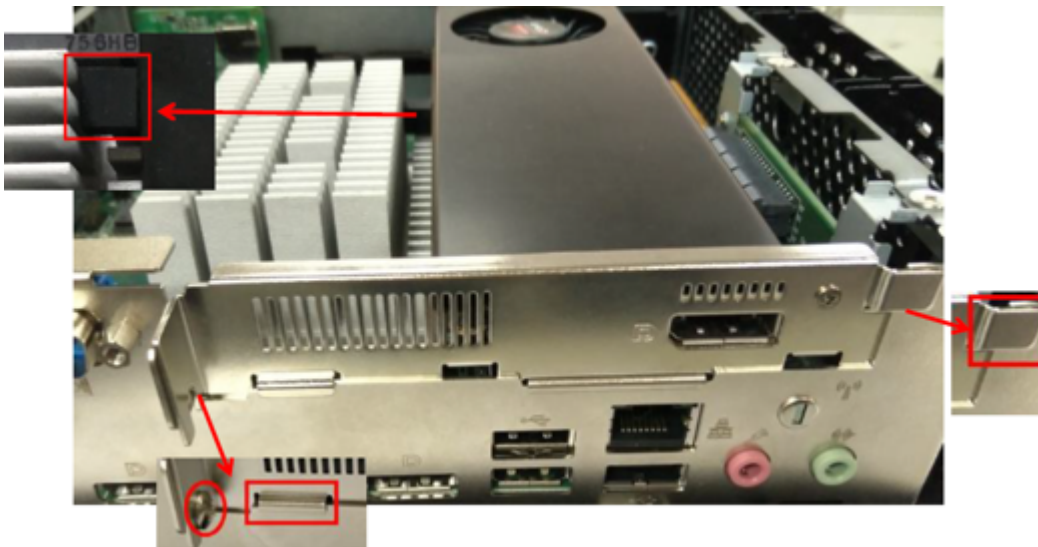
4. Using the Phillips screwdriver, remove the screw fixing the PCIe rear bracket to the device and detach the bracket.



5. Insert the graphics card into the PCIe slot as shown in the figure below. Make sure the PCIe rear bracket is firmly adjusted.



6. Using the Phillips screwdriver, tighten the screw. Check if the graphics card is firmly adjusted.



7. Finally, remount the side cover onto the device casing.

See also [UD7 Model H850C: Configuring the AMD E9173 Graphics Card in IGEL Setup](#) (see page 9).



# UD7 Model H850C: Configuring the AMD E9173 Graphics Card in IGEL Setup

## Prerequisites

- IGEL UD7-LX 10, UD7-LX 11
- AMD E9173 graphics card as available from IGEL
- IGEL OS 10.05.100 or higher

This how-to explains how you can configure the AMD E9173 graphics card which is optionally available for IGEL UD7.

## Steps

Under Setup > **User Interface** > **Display**, make the following settings:

1. Change the **Number of screens** to **4**. Then configure each of the monitors as described.

Monitor 1:

1. Select monitor 1 by clicking on it.
2. Adjust the **Screen resolution** as required.
3. Under **Graphic card**, select **Card 2**.
4. Under **Monitor**, select **DisplayPort**.

Monitor 2:

1. Select monitor 2 by clicking on it.
2. Adjust the **Screen resolution** as required.
3. Under **Graphic card**, select **Card 2**.
4. Under **Monitor**, select **DisplayPort (II)**.

Monitor 3:

1. Select monitor 3 by clicking on it.
2. Adjust the **Screen resolution** as required.
3. Under **Graphic card**, select **Card 2**.
4. Under **Monitor**, select **DisplayPort (III)**.

Monitor 4:



This is the monitor connected to the AMD E9173 graphics card. The main difference from configuring the other three monitors is that you have to select **Card 1** under **Graphic card**.

1. Select monitor 4 by clicking on it.
2. Adjust the **Screen resolution** as required.
3. Under **Graphic card**, select **Card 1**.
4. Under **Monitor**, select **DisplayPort (IV)**.

2. Click **Apply**.

## UD3 Model M340C: Attaching USB Device to Connectivity Bar

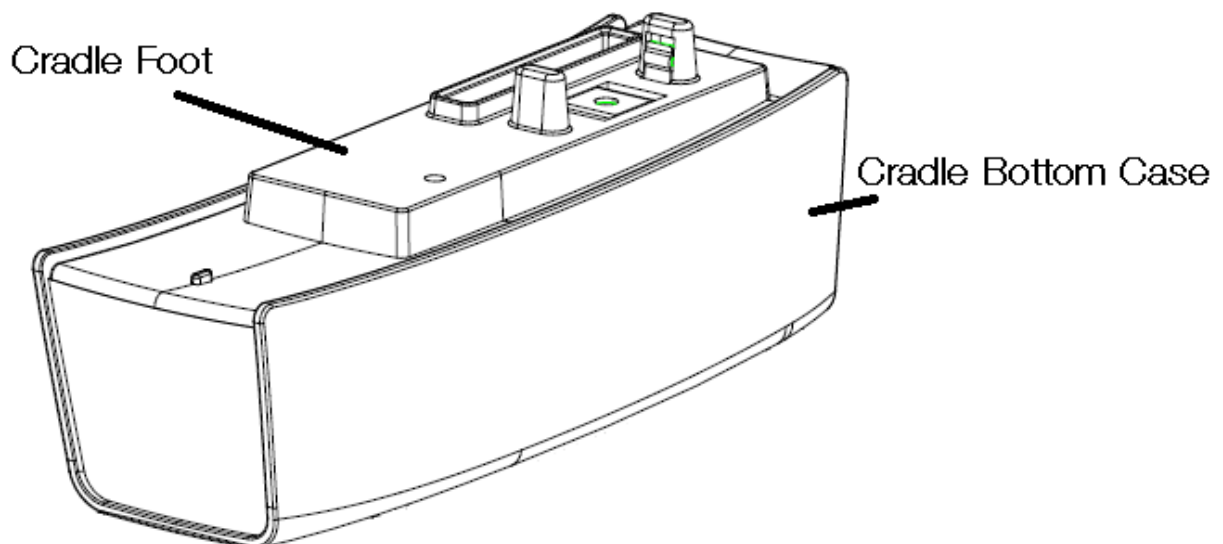
The connectivity bar (part number: 62-5-UD3-POF4/BL) is an optional accessory for IGEL IZ3 devices and UD3 model M340C with a new case design. With the connectivity bar you can add:

- two serial ports;
- a hidden / anti-theft USB port, i.e. for a Wi-Fi USB stick or USB mass storage.

The following description shows you how to open the cradle foot for connecting the USB device and how to mount it on the case of the IGEL device.

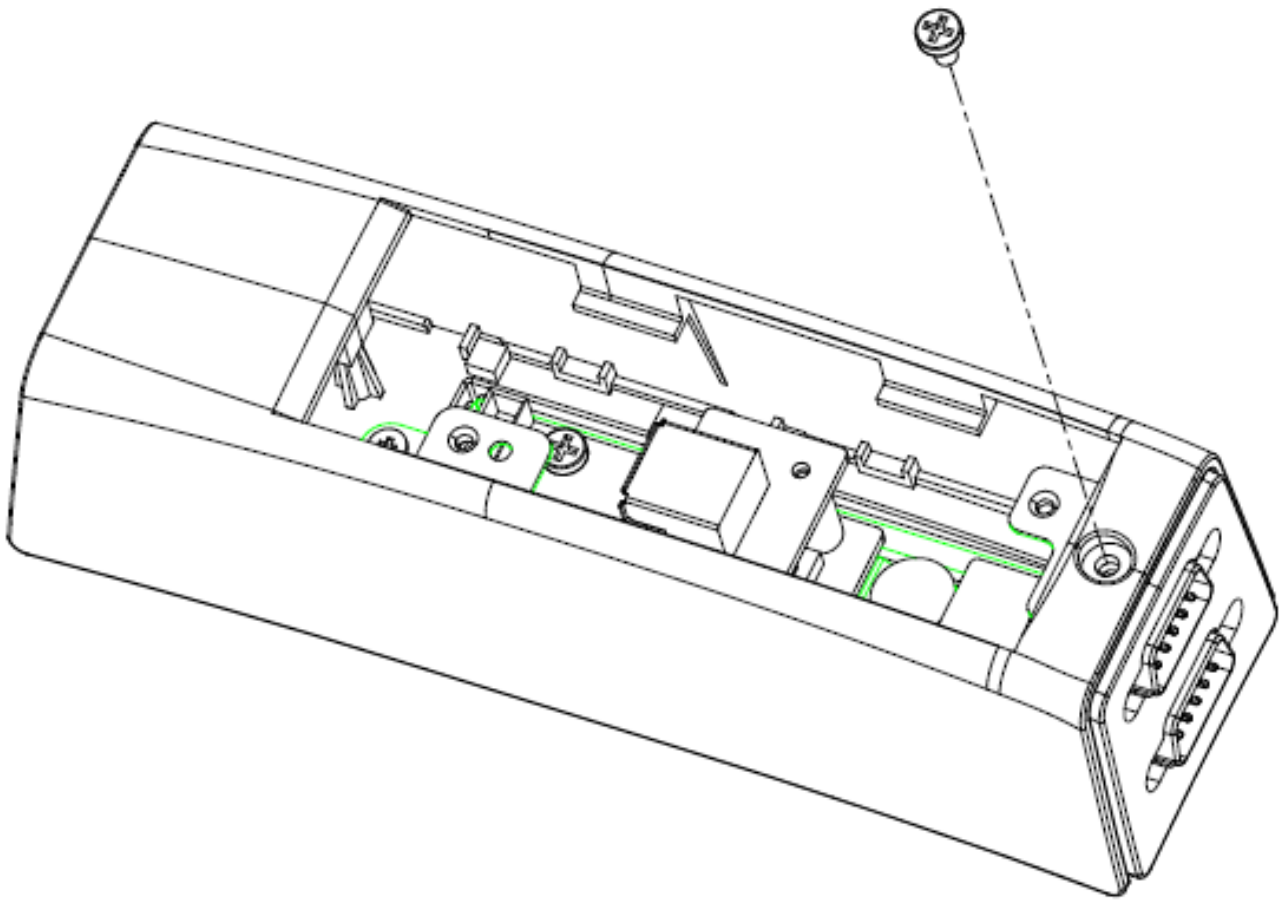
### Components

The optional IGEL connectivity bar consists of the cradle foot and the bottom case.

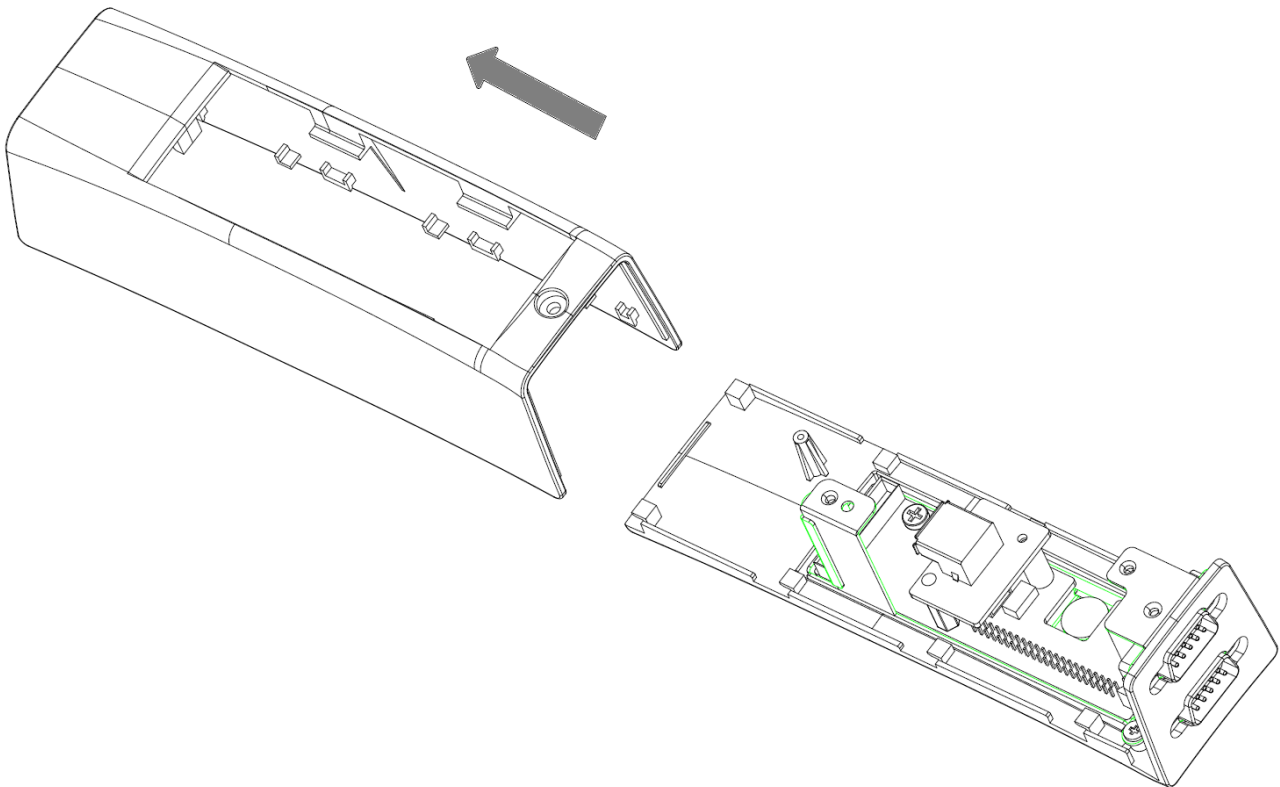


### Opening the Connectivity Bar

→ Turn the cradle upside down and unscrew the bottom case.

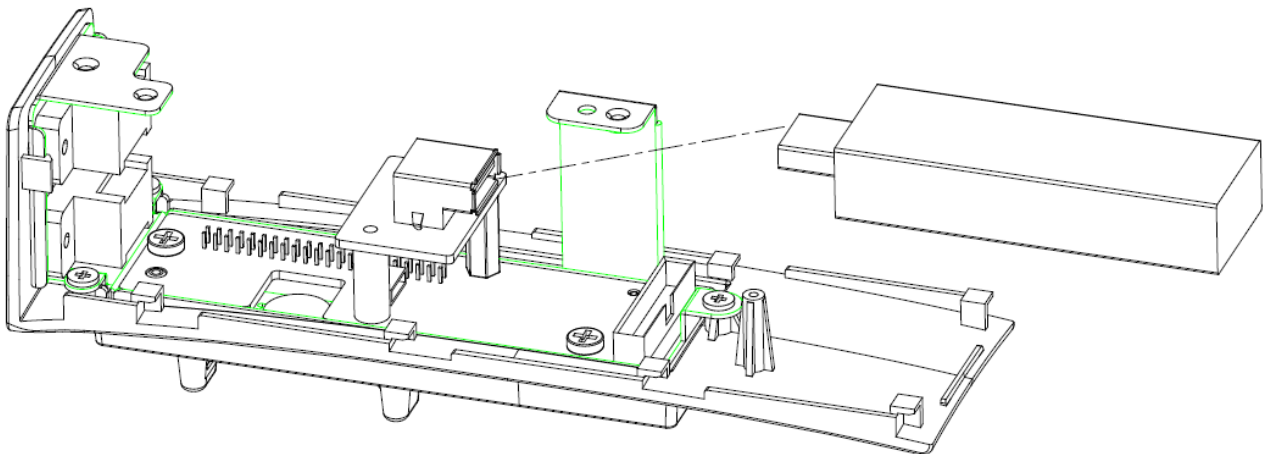


→ Push the bottom case away from the cradle in the direction of the arrow as shown in the figure below.



## Connecting the USB Device

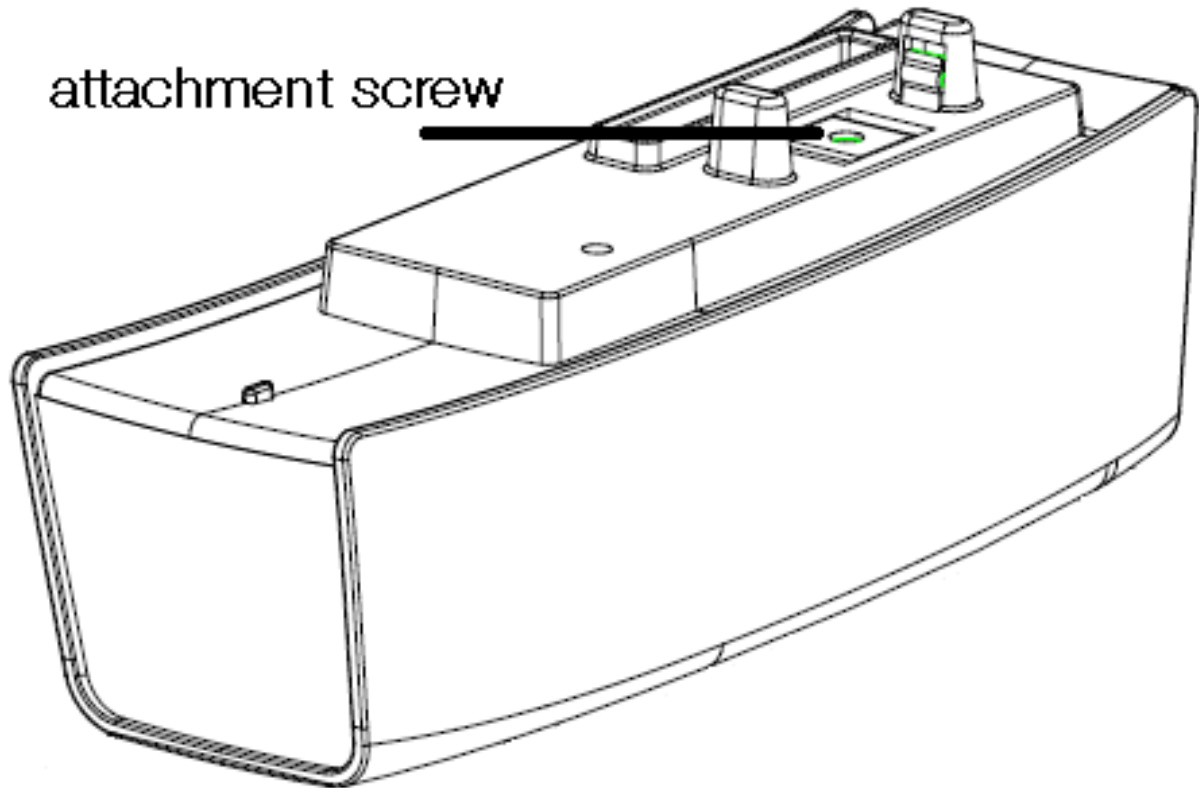
→ Connect the USB device to the USB port as shown in the figure below.



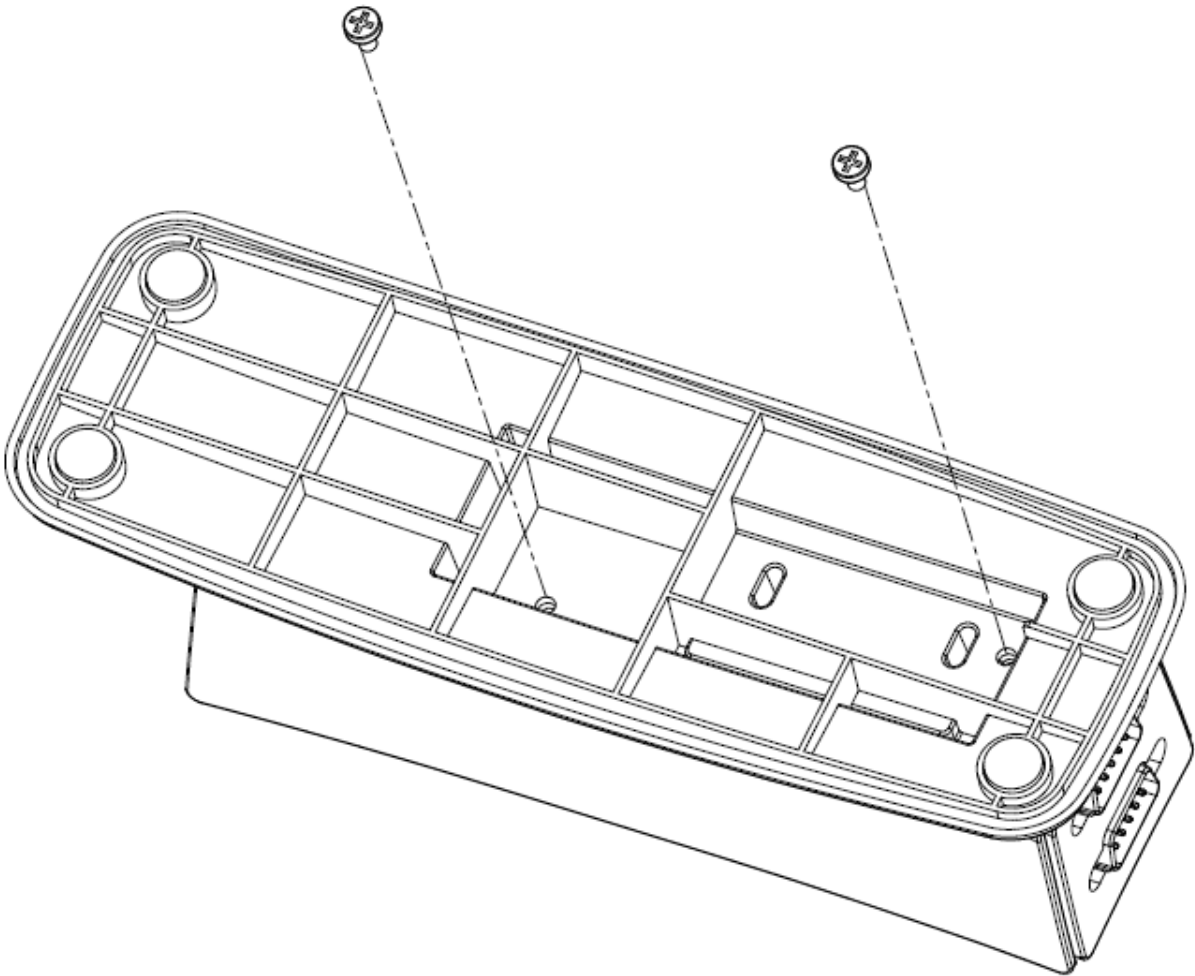
## Reassembling and Mounting the Connectivity Bar

1. Screw the bottom case onto the cradle again.

2. Mount the cradle with the attachment screw onto the case of the IGEL device.



3. Attach the foot stand with two screws to the bottom of the cradle.



## VESA Mount for D220, M340C, H830C, and H850C

**i** These instructions apply to UD2 model D220, UD3 model M340C, UD6 model H830C, and UD7 model H850C.

With the IGEL VESA mount, you can mount the thin client on the back of your monitor to free up space on your desk. IGEL VESA mount fits to all flat-panel monitors, complying with the VESA75 or VESA100 standard.

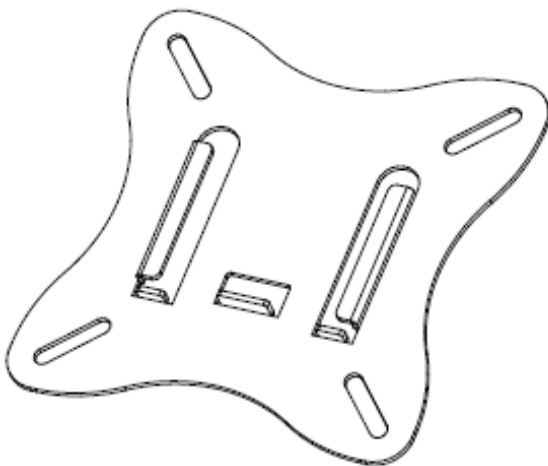
**x** Do not use the IGEL VESA for mounting a thin client horizontally, e.g. at the underside of a desk! This would lead to overheating due to insufficient ventilation.

**i** A VESA monitor installation including the IGEL Connectivity Bar is not possible without restrictions. This is only permitted if there are no mechanical interferences.

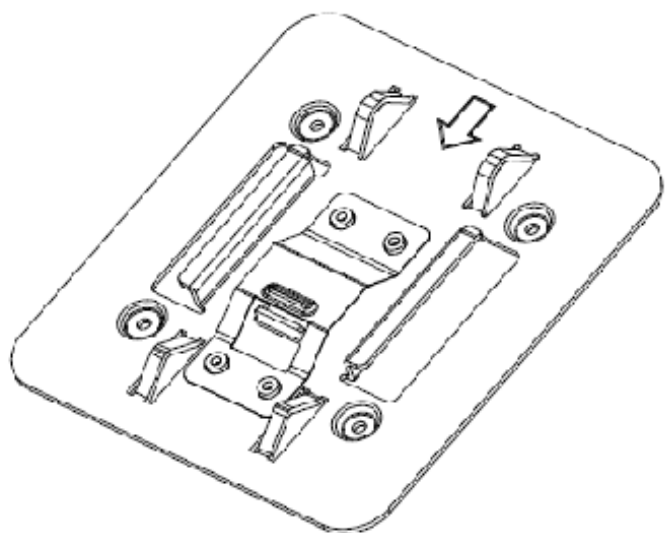
### Components

The IGEL VESA mount consists of:

- two metal plates
- 4 x M3XL8 screws for the thin client plate (before June 2019, 4 x M3XL10 screws)
- 4 x M4XL8 for the monitor plate



Monitor Plate

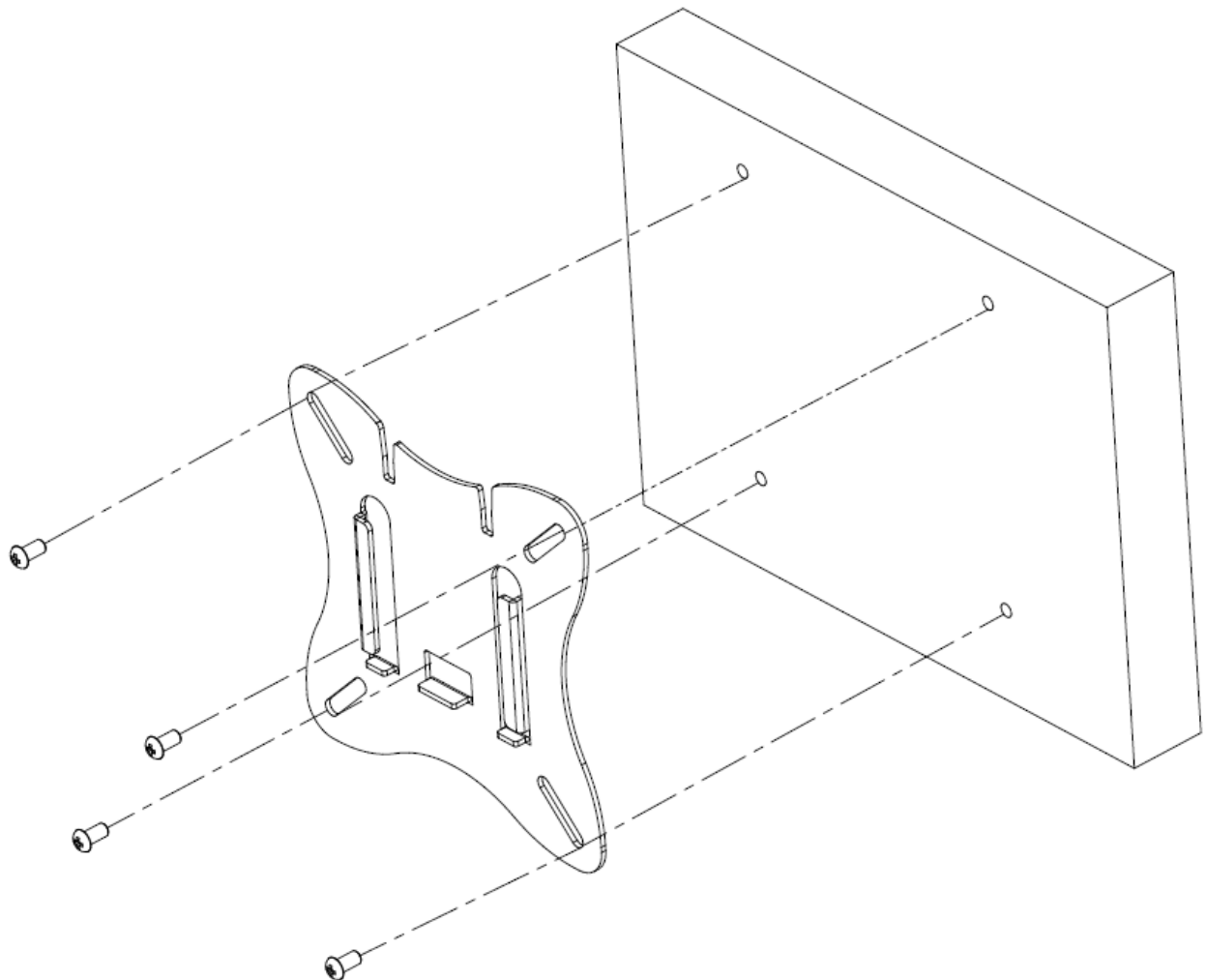


Thin Client Plate

**i** On delivery, the two plates are placed together. To separate them, push the monitor plate with a light raising movement in the direction of the arrow.

## Mounting the Monitor Plate

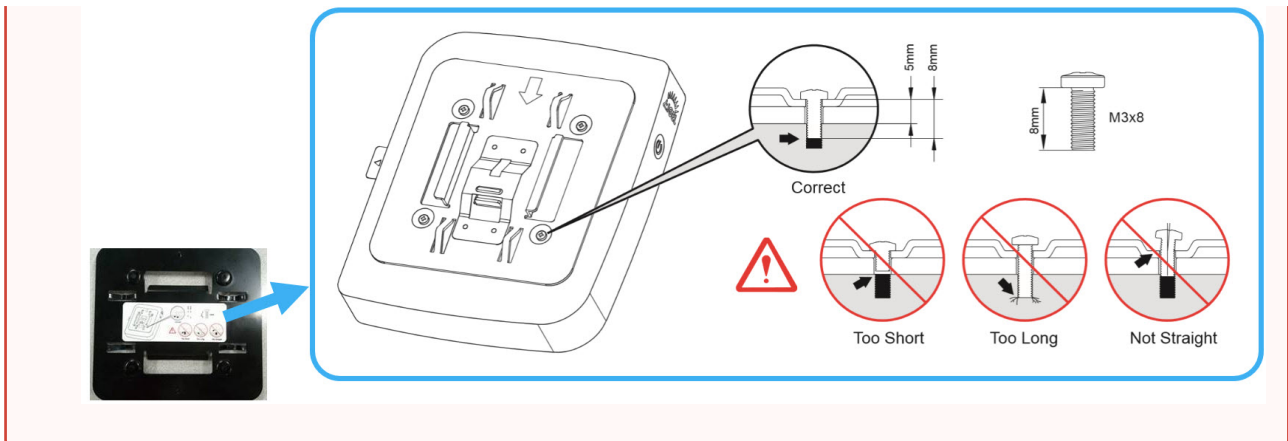
→ Attach the VESA mount monitor plate with the screws to the back of your monitor, noting the correct alignment.



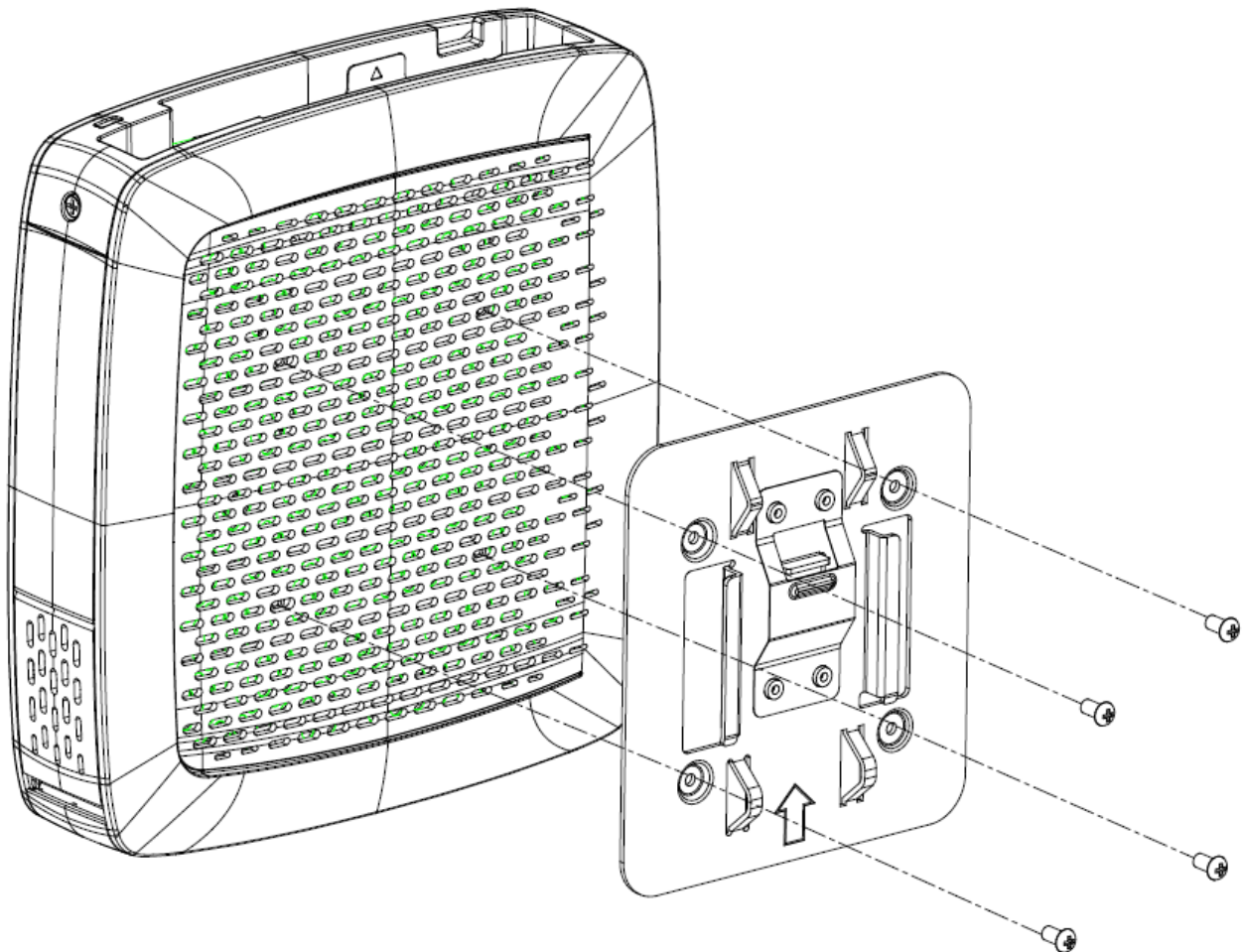
## Mounting the Thin Client Plate

→ Insert the enclosed screws through the designated holes.

✗ Use only the original screws. If you use longer screws, components in the housing can be damaged. If you use shorter screws, the VESA mount will not be fixed properly on the thin client.



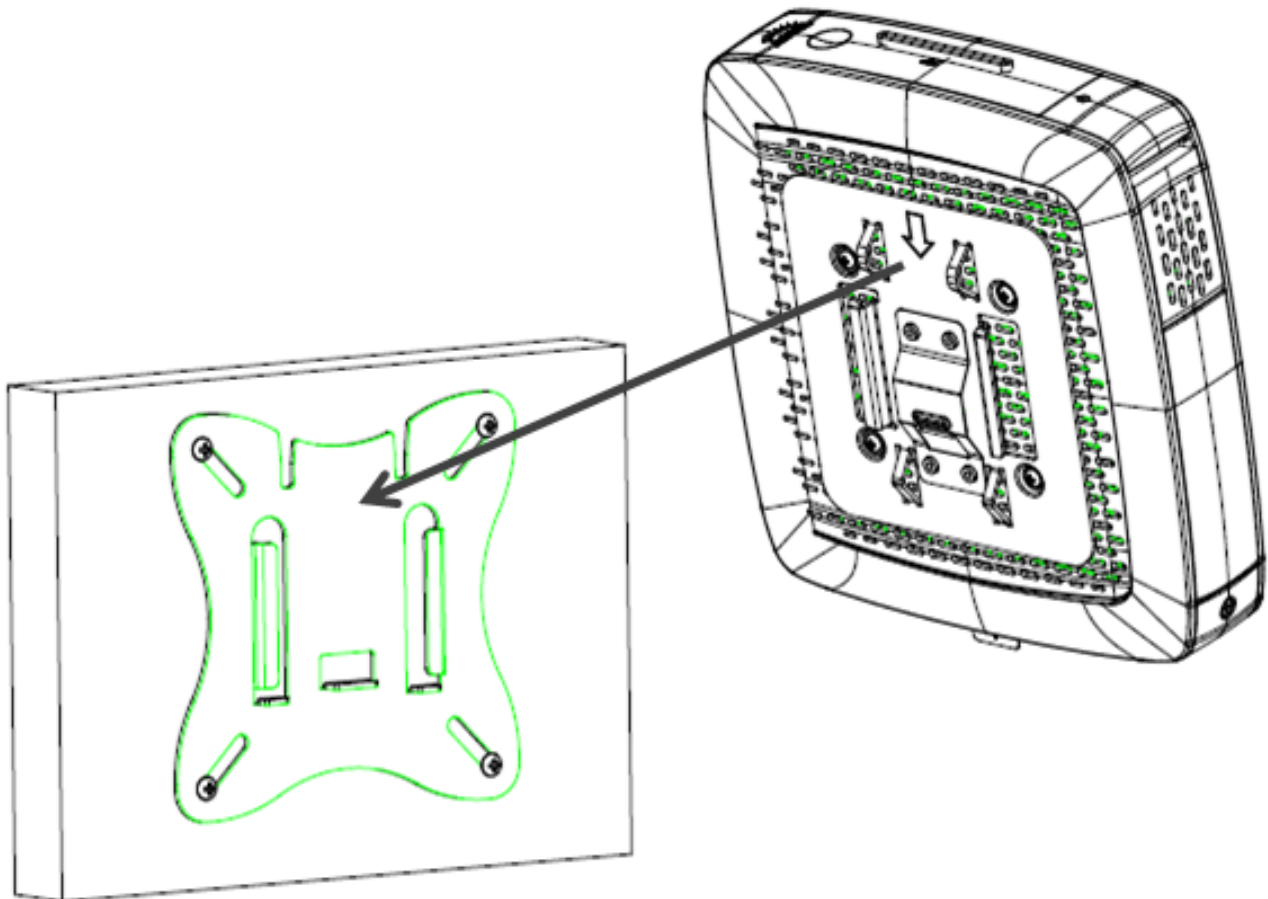
→ Screw them into the screw threads in the plastic wall of the thin client.



→ Be careful to ensure that the arrow on the plate is pointing to the back connection site of the client.

## Pushing the Plates Together

- Plug in all cables before mounting the thin client to the monitor.
- Turn the thin client around so that the power button is facing upwards.
- Slide the plate with the thin client from top to bottom in the guide slots of the monitor plate.



**i** To take the thin client off again, push it up gently. Be careful that you do not press the client against the monitor, otherwise the plates will not detach.