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# Manual NVMePCIe TR-1

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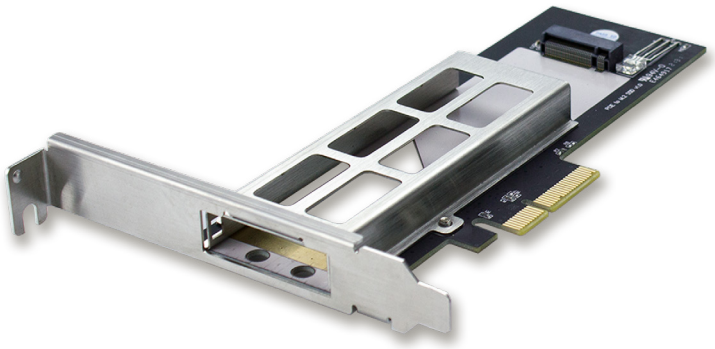


## 1. Introduction

Thank you for purchasing the FANTEC NVMePCIe TR-1 PC card. The FANTEC PCIe card allows you to use an NVMe PCIe SSD internally, removably in your PC. The NVMe is mounted on a slide-in carrier and plugged into the card's removable frame at the back of your PC via the slot bracket. This allows you to use and change the NVMe quickly, conveniently, without tools in your PC - without opening the PC.

Before you start with the installation of the card in your PC and the installation of your NVMe please read this manual carefully. For the installation you need a fine cross screwdriver. You are handling very small screws. For this, use a secure surface on which the screws cannot roll away if they slip out of your hands.

## 2. Assemble slide-in carrier

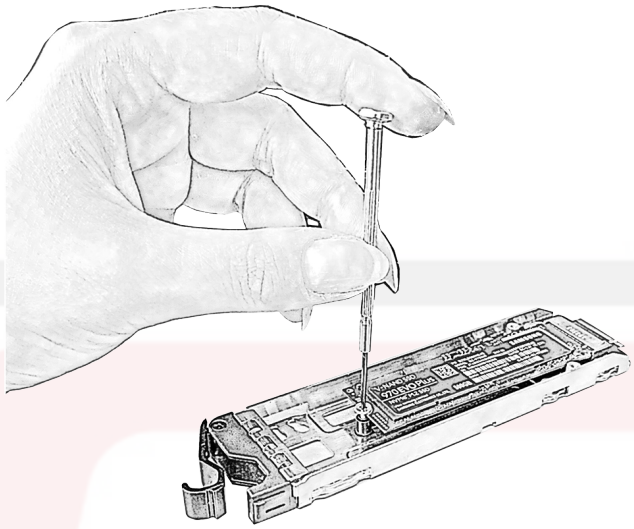
### 2 a. Preparing the NVMe SSD

Place the NVMe into the connector on the slide-in tray. Gently push the NVMe into the horizontal position and check that the black screw bolt of the slide-in tray is positioned so that it is under the mounting notch at the end of the NVMe. Usually, the position is prepared for a 2280 NVMe.

If you are using a shorter NVMe, remove the NVMe from the tray again and carefully place the screw bolt in the correct position. It can be removed from the prepared position by sliding it on the slotted hole, and then slide it back into the notch at the correct position. The bolt is loosely inserted. It is not screwed. Be careful not to lose it.

## 2 b. Inserting the NVMe SSD

Insert the NVMe into the connector. Locate the screw with the wide head. Carefully push the NVMe into the horizontal position and screw the screw into screw bolt.



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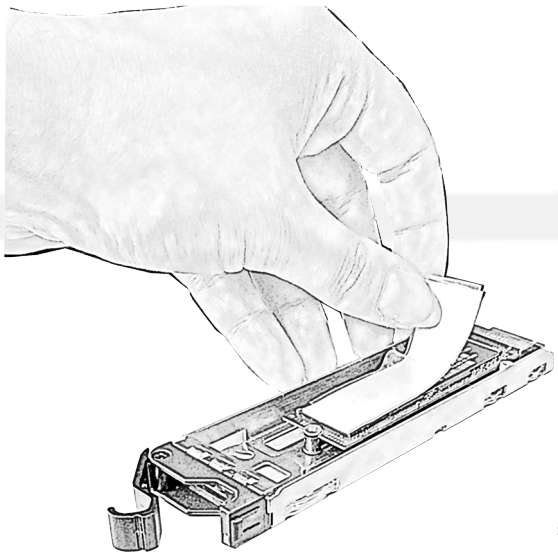
## 2 c. Attaching the thermal pad

Do not remove the plastic sheets from the thermal pad yet. Adjust the length of the thermal pad to your NVMe by orienting yourself to the position of the „chips". If the chips of the NVMe are taped with a label, orientate yourself by this label. All memory chips should be covered with the pad. Cut the pad with scissors at the appropriate position. You do not need to correct anything on the width of the pad. Remove the foil from one of the two sides of the pad. Stick the pad onto the memory chips and the label.



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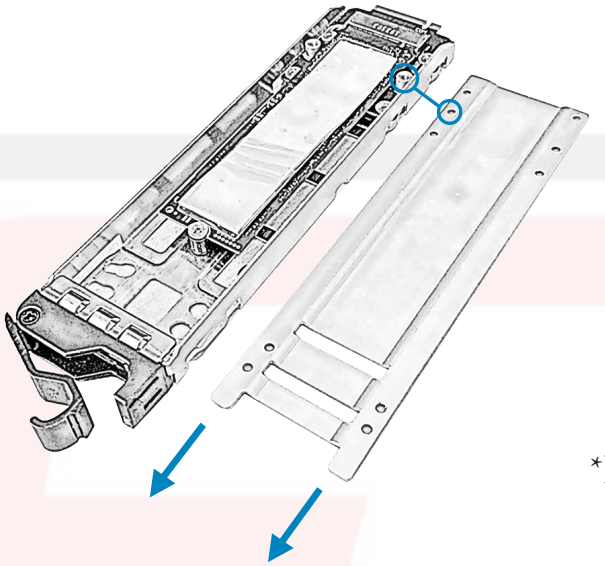
## 2 d. Preparing the heat sink

Place the aluminum heat sink next to the slide-in tray. The side with the two prongs is facing the front of the slide-in unit. The two prongs should engage under the anti-vibration springs. Locate the positions of the two light colored mounting bolts in the area where the NVMe will be inserted. The two matching holes in the heat sink are the middle two. If these two bolt positions match the holes in the heat sink, you have the correct orientation.



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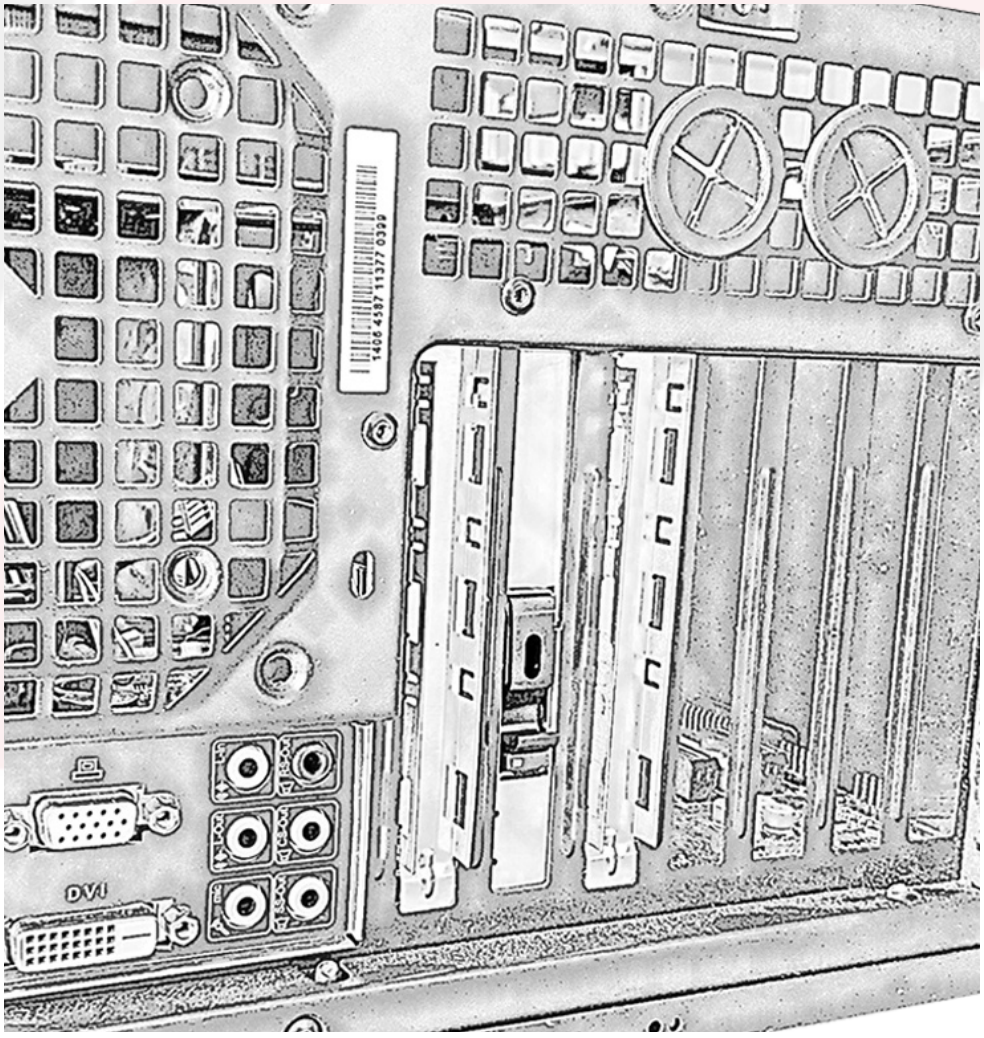
## 2 e. Attaching the heat sink

Remove the second protective foil from the thermal pad, slide the two prongs of the heat sink under the anti-vibration springs and carefully press the heat sink against the thermal pad. Screw the two long screws into the two mounting holes.

## 3. Installation of the PCIe card in your PC

The card is delivered with a long bezel. If you need a short bezel
the bezel has to be exchanged. To do this, loosen three screws, replace the bezel and reattach it with the three screws. Insert the insertion carrier into the card. Shut down the PC and turn it off. Insert the card, together with the carrier, into a suitable PCIe slot in your PC. If you insert the card without the tray, it may happen that the bezel is positioned incorrectly and therefore the slot cannot be inserted into the removable frame. Fix the bezel with the typical screws of your PC. Make sure that it is firmly seated.

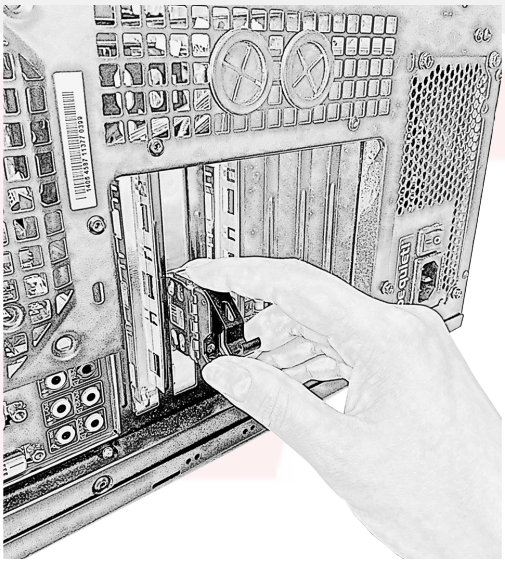


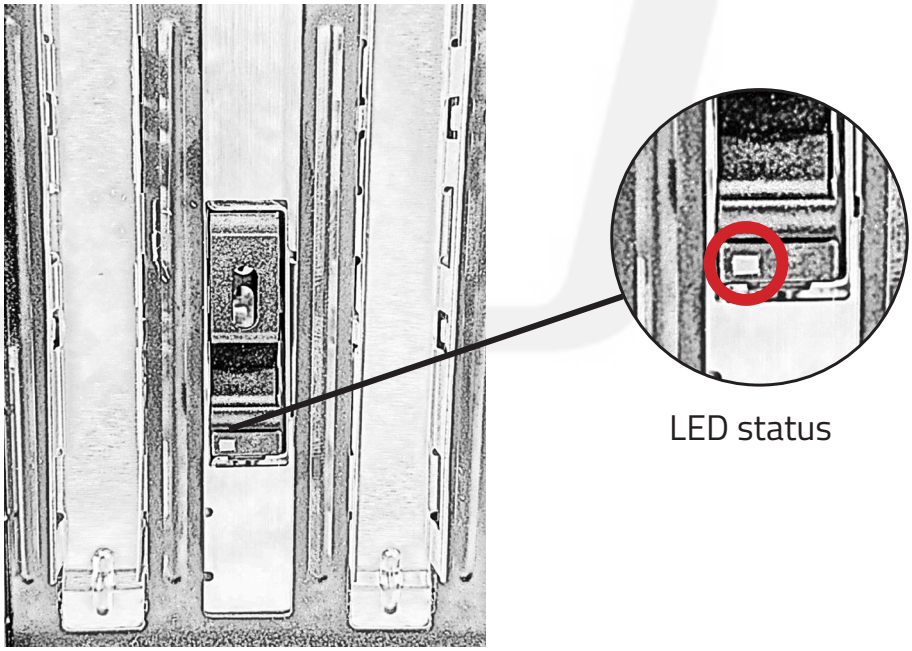
## 4. The adapter card in operation

Carefully press the slide-in frame into the exchange frame. Make sure that the tray is in the correct position and that the latch is properly closed.
Press again briefly against the slide-in tray so that it locks properly into the exchange frame. Switch on the PC. The LED on the bezel of the slide-in tray turns blue.

You can recognize the status of the NVMe with the help of the status LED:

| | |
|---|---|
| Blue light | NVMe active, PC is switched on |
| Purple light | NVMe data access |





## 5. General instructions

- When inserting the carrier, make sure that it is correctly locked: press the slide-in tray completely into the removable frame.
- The installation of this adapter card requires expert knowledge in handling PC hardware. A small screwdriver is required.
- For clarification of usability and bootability please contact the manufacturer of your mainboard.
- All rights reserved. No part of this user manual may be reproduced data storage system, or distributed in any electronic, mechanical, photocopying, recording, or other form without the written permission of the copyright owner.
- All information in this manual was complete and correct at the time of publication. However, as the product evolves, discrepancies may occur.

## 6. Scope of delivery

- NVMePCIe TR-1 PC card
- Slide-in tray
- Aluminum heat sink, incl. thermal pad
- Screws
- Low Profile slot bracket

* the NVMe shown in these operating instructions is not included in the scope of delivery

## 7. Features

- PCIe PC adapter card for 1x PCIe NVMe SSD
- NVMe SSD removable frame
- M.2 NVMe M-key SSD
- for PCIe 3.0/4.0 x4 NVMe M.2 M-key SSD
- PCIe x4 bus slot / PCI Express x4 lane host adapter
- transfer rates max. 64Gbit/sec
- two-color status LED
- SMART support
- adapter, slot bezels and tray unit made of stainlees steel
- heat conduction plate and front panel of carrier made of aluminum
- slot carrier with anti-vibation springs
- NVMe form factor: 2230 to 2280
- Slot bezel form factor: “full height“ & „low profile“.
- 155.9mm x 63mm x 12.8mm
- 115g
- Additional tray available as accessories: 2517

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