



Nanoxia CoolForce 1



I. Introduction	02
• Specifications	02
• Accessories	02
• Features	03
II. Installation Instructions	03
1. Installation of the motherboard	03
2. Installation of optical drives and removal of the 5.25 inch cage	04
2.1 Installation of optical drives	04
2.2 Removal the 5.25 inch cage	05
3. Installation of hard drives	05
3.1 Mounting of hard disk drives in the Easy-Mount HDD-Sleds	05
3.2 Utilizing the 2.5 inch mounting trays	06
3.3 Upgrading your CoolForce 1 with additional HDD cages	07
4. Removing the front panel and the Nanoxia Air-Cover	07
4.1 Removing the front panel	07
4.2 Removing the Nanoxia Air-Cover	07
5. Fan assembly	08
5.1 Fans in the case front	08
5.2 Fans under the top cover	08
5.3 Fan at the bottom of the case	09
6. The I/O-Panel	09
7. The 3-stage fan controller	10
7.1 Connecting the fans to the fan control	10
7.2 Operation of the fan control	10
8. The Nanoxia Rigid LED Bar	11
9. Installation of a water cooling solution	11
9.1 Installation of a radiator or compact water cooling behind the front	11
9.2 Installation of a radiator or compact water cooling under the top cover	12
III. Support	13
IV. Legal disclaimer	14

I. Introduction

Congratulations on the purchase of your new Nanoxia CoolForce 1 midi tower. We are confident that you will be delighted by your new PC case for many years to come.

The CoolForce 1 offers an almost unbelievable variety of features at an outstanding price-performance-ratio. The silent-optimized tower is of the highest quality and combines optimum functionality with a high degree of variability.

Based on our experience with the Deep Silence series und the input from our customers in regard to the CoolForce 2, we used all our knowhow to design our CoolForce case series. Many unique features, like the freely suspended Easy-Mount HDD-Sleds are unique to this case.

Thanks to its individually configurable interior, the CoolForce 1 offers a variety of different ways to design the users system. Users can either accommodate powerful air-cooled systems or a water cooling set-up with corresponding radiators in the case.

Specifications:

Dimensions:	495 x 207 x 525 (Height x Width x Depth)
Material:	Steel, plastics
5.25 inch bays external:	2 x
3.5 inch drive bays internal:	max. 3 x
2.5 inch drive bays internal:	max. 5 x

Accessories:

- EPS-extension
- SATA 3.0 combo-cable (straight connector)
- SATA 3.0 combo-cable (angled connector)
- Fan screws
- Stand-offs for mainboard
- Screws for mainboard mounting
- Screws for HDD mounting
- Screws for 3.5 inch mounting frame
- Mounting screws for 2.5 inch HDD/SSD
- Mounting screws for PSU

If you are missing any of the items listed above, please contact our customer service immediately: support@nanoxia-world.com

Features:

- Watercooling ready
- Effective soundproofing
- Fully modular Easy-Mount HDD-Sleds (decoupled)
- 2 x USB 3.0, 1 x USB 3.1 Type C, HD-Audio connectors
- Lateral mounting holes for 280/360 mm radiators under the top
- 7 slots for expansion cards
- Tool-free mounting of optical drives
- Max. VGA length 285 mm (up to 425 mm with HDD-sled(s) removed)
- Room for CPU coolers with a maximum height of up to 165 mm
- Cable management with rubberized holes in motherboard tray
- Mounting hole for CPU cooler in the motherboard tray
- 3-staged fan control for up to three case fans
- 2 x Nanoxia Rigid LED Bars behind the front (can be switched off)

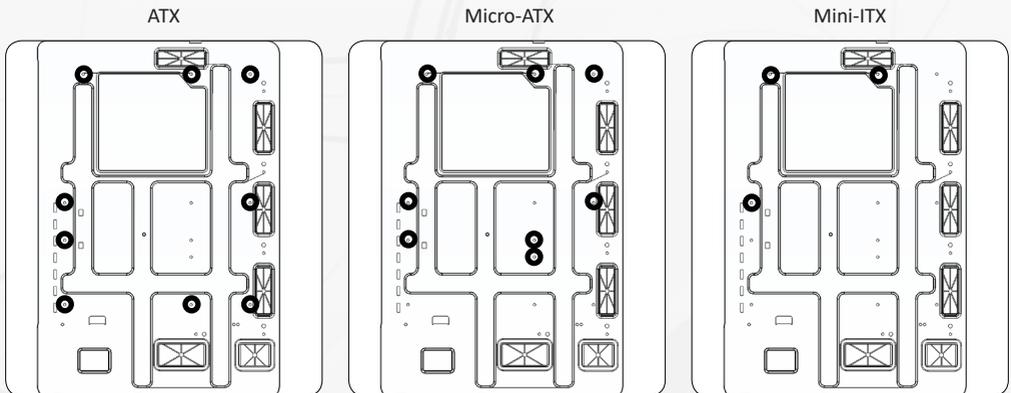
Please visit our website at www.nanoxia-world.com

II. Installation Instructions

1. Installation of the motherboard

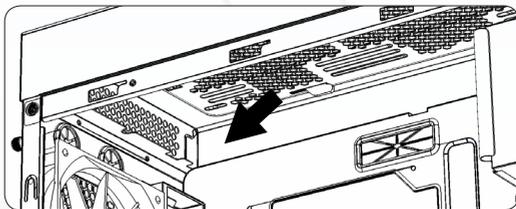
You can mount XL-ATX, ATX, M-ATX and Mini-ITX motherboards in the CoolForce 2. In order to ensure an easy installation of your motherboard, we suggest the following procedure:

Please consult the following charts to find your motherboard form factor. Attach the stand-offs according to your motherboard form factor. Attach the included EPS extension cable on to your motherboard – do not connect it to the power supply yet.



Next you should mount the CPU cooler - for very large CPU coolers, the attachment of the EPS extension cable after installation can be difficult. In the next step place the motherboard gently inside the case and lead the EPS extension cable through the opening provided in the top left of the mainboard tray.

Fix the motherboard to the motherboard tray. After the installation of the power supply, you can connect the EPS extension cable to the EPS-connector on the PSU at the back of the motherboard-tray.



2. Installation of optical drives and removal of the 5.25 inch cage

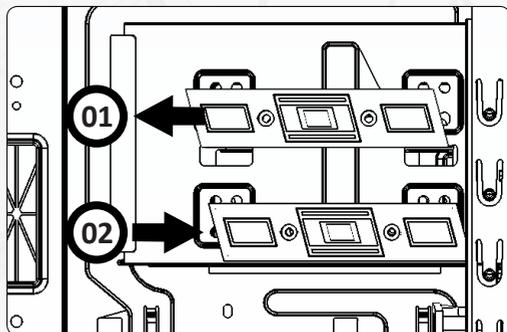
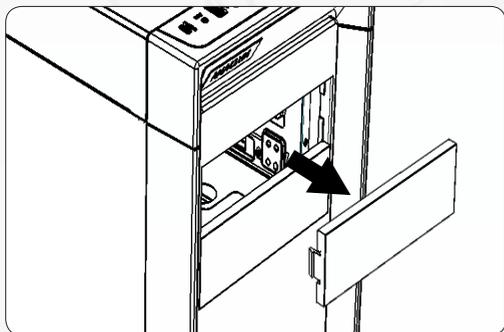
You can install up to two external drives 5.25 inch drives in the CoolForce 1.

2.1 Installation of optical drives

To install optical drives, please remove both side panels. The installation of optical drives requires neither screws nor tools.

Remove the 5.25 inch cover by pushing it gently but steadily from the inside out.

Then loosen the lock on both sides by dragging the black slider backwards (1).

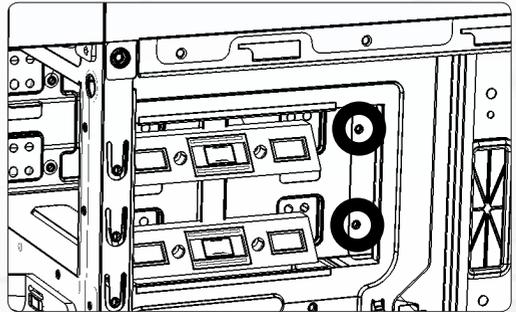
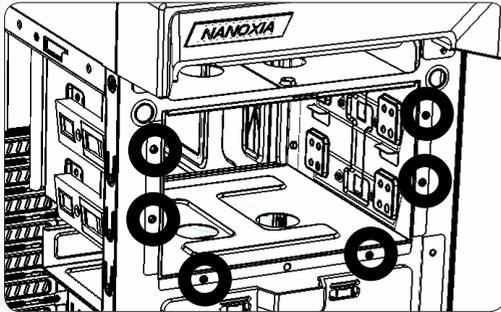


Next slide the drive into the desired position. Lock the holder by pushing the slider back to its original position (2).

2.2 Removal the 5.25 inch cage

If you don't need optical drives or wish to install radiators under the top or in the front and need additional space, you can simply take out the 5.25 inch cage from your CoolForce 1.

Please remove the front first (see chapter 4.1) and unscrew the six screws which connect the cage to the front of the case. Next please remove the two screws on the rear of the cage and take it out of the case.



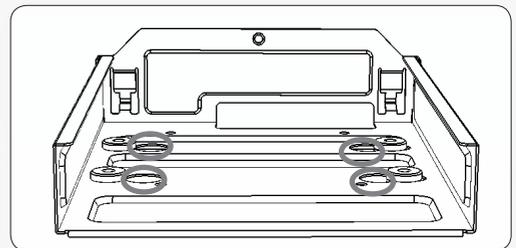
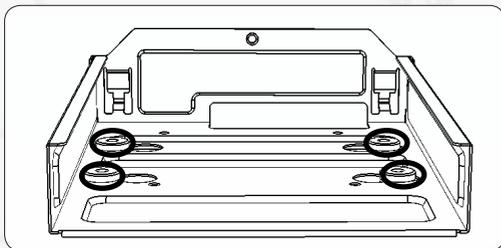
3. Installation of hard drives

You can mount up to five 2.5 inch SSD as well as up to three 3.5 inch HDD in the CoolForce 1.

3.1 Mounting of hard disk drives in the Easy-Mount HDD-Sleds

Your CoolForce 1 has three Easy-Mount HDD Sleds for either one 2.5-inch or one 3.5-inch HDD/SSD each. To install a hard disk please remove first both side panels and loosen the thumbscrew which with the sled is bolted to the back of the motherboard tray.

Then remove the HDD Sled and mount your disk with the appropriate screws. Please make sure that the connections of the disk correspond to the opening in the HDD Sled.



After that, put the HDD Sled back inside the case and fix it with the thumbscrew.

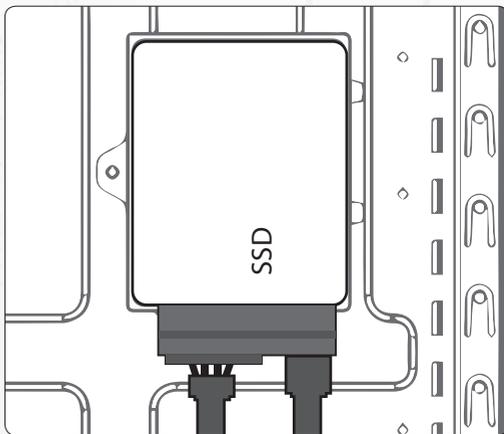
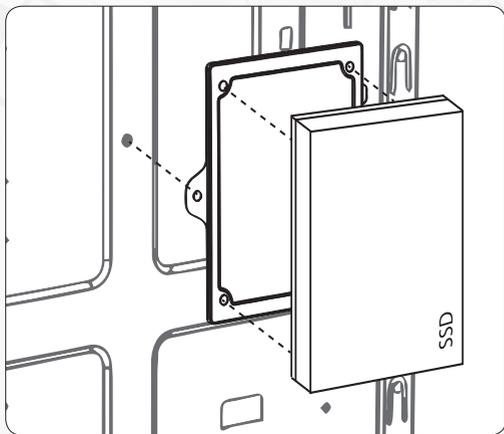
We recommend using our SATA combo-cable with the angled connector, which we developed especially for this purpose, in order to guarantee a smooth fit of the side panels. One SATA combo-cable is already included, you can purchase additional cables in stores.

3.2 Utilizing the 2.5 inch mounting trays

Your CoolForce 1 comes with two 2.5 inch mounting trays, which have been specifically designed to hold SSD drives – one each at the bottom of the case and one behind the motherboard tray.

In order to mount an SSD on the tray, first remove the thumbscrews that holds the tray in place and then the 2.5 inch tray. Place the SSD on the front of the tray and fix it with the included 2.5 inch mounting screws.

In the next step, please put the mounting tray with the attached SSD back inside the case and fix it with the thumbscrew.



We strongly recommend using our flat SATA combo-cable with the straight connector, which we developed especially for this purpose, in order to guarantee a smooth fit of the side panels. One SATA combo-cable is already included, you can purchase additional cables in stores.

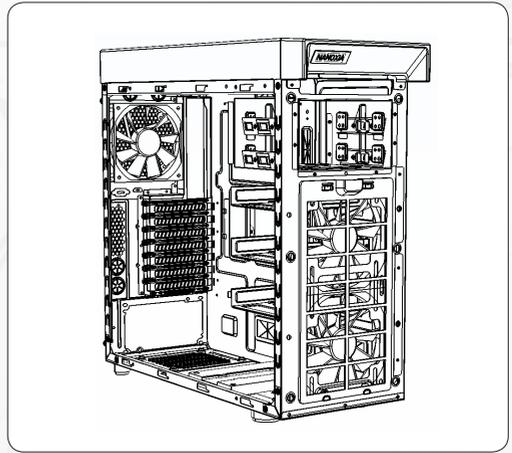
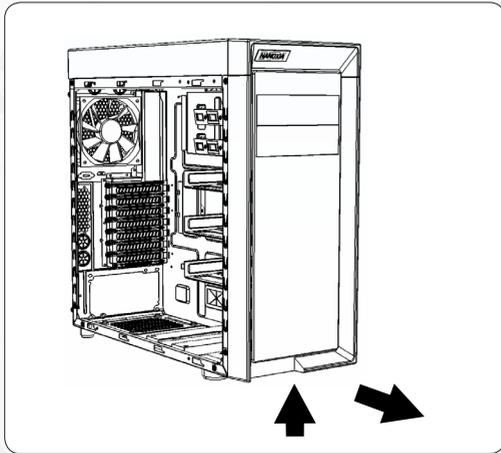
3.3 Upgrading your CoolForce 1 with additional HDD cages

The HDD-cage mounting rail at the bottom of CoolForce 1 allows you to retrofit the case with our separately available HDD cages, in order to increase the disk capacity of the case, if desired. Slide the HDD cage simply into the rail until it locks.

4. Removing the front panel and the Nanoxia Air-Cover

4.1 Removing the front panel

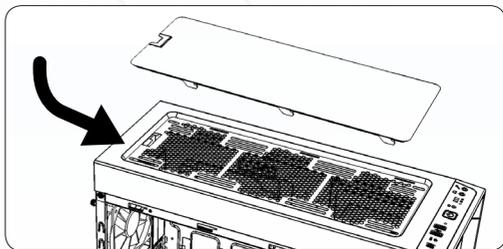
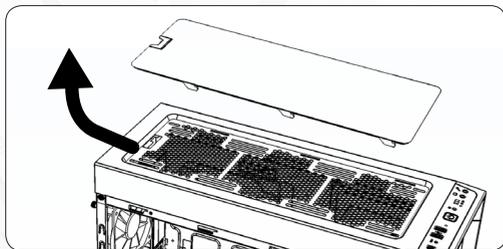
To remove the lower part of the front panel, simply hold the cutout at the bottom of the front panel and pull it towards you with a firm tug. The I/O-panel will not be removed when you remove the front.



4.2 Removing the Nanoxia Air-Cover

To remove the lid of the case, for example to install fans or radiators under the top of the case, please first loosen the catch at the rear side of the cover. Pull it gently backward and upward away.

If you wish to close the Air-Cover again, let it slide obliquely from above into the appropriate mounting holes and lock it with the catch.



5. Fan assembly

Three fans are pre-installed in your case, two 140 mm fans behind the front and one 120 mm fan at the back. You can mount up to seven fans in total.

We recommend the use of our Nanoxia CoolForce fans, which you can purchase separately in stores. These are technically and visually equivalent to the factory-installed case fans and will work in perfect harmony with the built-in fan control of your case.

You can, of course, connect the additional fans to the fan controller (see chapter 7).

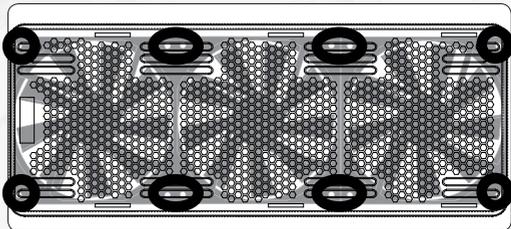
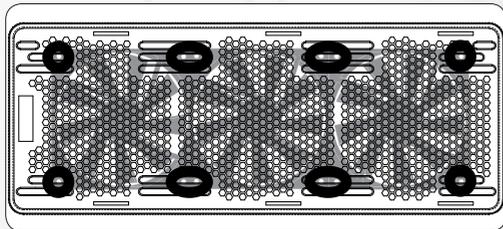
Front and bottom of the CoolForce 1 are equipped with easy to clean dust filters. We recommend that you clean them on a regular basis.

5.1 Fans in the case front

To switch the fans in the front or to clean the dust filters, please remove the front panel first (see chapter 4.1) and the dust filter. Unscrew the four screws with which the fans are connected to the front and take them out. The dust filter can easily be removed for cleaning.

5.2 Fans under the top cover

If you want to install more fans at the top of the case, please remove the Nanoxia Air-Cover (see chapter 4.2). Then hold the fans from the inside and secure them to the top by fastening the screws from the outside.

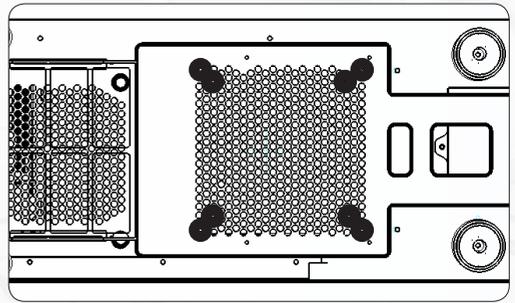
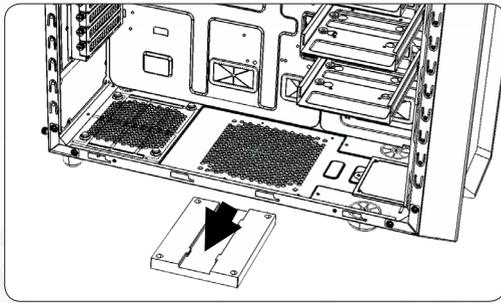


Case fans installed at the top of the case should exhaust air out of the case (fan rear side facing outwards). Please note to keep the Air Chimney opened when you have mounted fans under the top.

5.3 Fan at the bottom of the case

If you want to mount a 120 or 140 mm fan at the case bottom, you must remove the HDD mounting-rail, which is attached with four screws to the bottom.

Please place the fan on the inside of the case and secure it from the outside..



An additional case fan at the bottom of the case should be mounted so that cooler air is introduced into the case (fan rear side facing inwards).

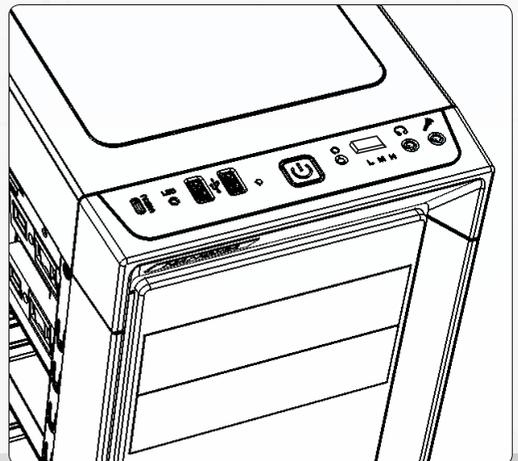
6. The I/O-Panel

The I/O panel includes connectors for external USB devices (2 x USB 3.0, 1 x USB 3.1 Type C), and the microphone and headphone ports.

The power-, reset-, and LED On/Off button are located here as well.

Please connect the USB 3.1 connector externally to your motherboard.

Lead the cable through the appropriate slot cover.



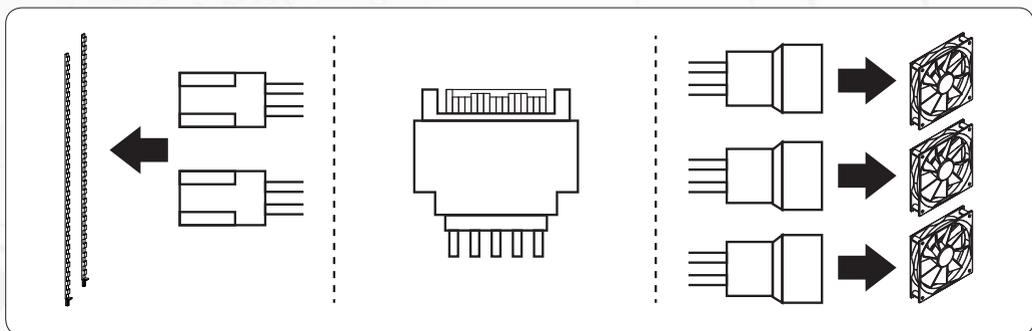
7. The 3-stage fan controller

The CoolForce 1 is equipped with a 3-stage fan control for up to three fans.

7.1 Connecting the fans to the fan control

The fan controller is powered by a SATA power-connector that is connected directly to the power supply. It also supplies the LED strips with power.

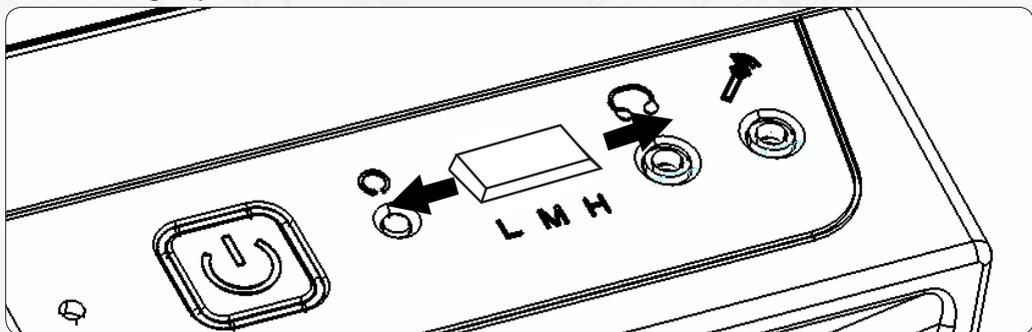
The controller offers three 3-pin connectors for fans.



The fan controller is not designed for the operation of powerful fans. Please take this into account in particular when using fans from other manufacturers. The maximum power must not exceed 9 watts.

7.2 Operation of the fan control

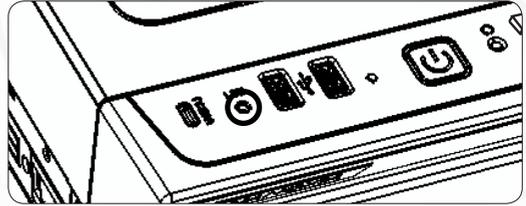
The sliders for controlling the fans controller can be found at top of the case front. You can choose between Low – Medium – High settings and thus adjust the speed of the preinstalled fans according to your needs.



8. The Nanoxia Rigid LED Bar

Behind the front of your CoolForce 1 case two green-lit Nanoxia Rigid LED Bars are pre-installed.

If you want to deactivate the LED Rigid Bar, you can simply use the LED on/off button in the I/O-panel.



9. Installing a water cooling solution

In the CoolForce 1 case, you can install 240 or 280 mm radiators behind the front panel, as well as 280 mm or 360 mm radiators under the top cover.

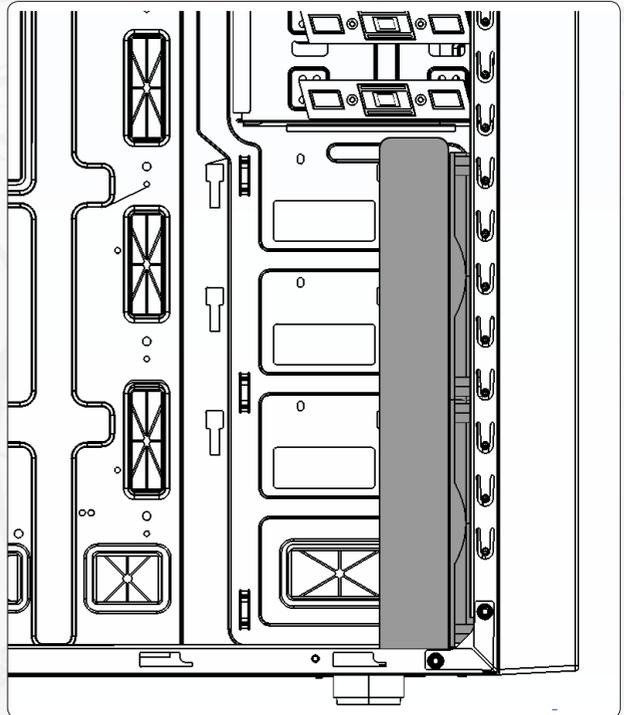
9.1 Installation of a radiator or compact water cooling solution behind the front

For the installation, please remove the Easy-Mount HDD-Sleds (see Chapter 3.1).

If you plan to install a 280 mm radiator, we recommend to take out the ODD-cage (see chapter 2.2) as well.

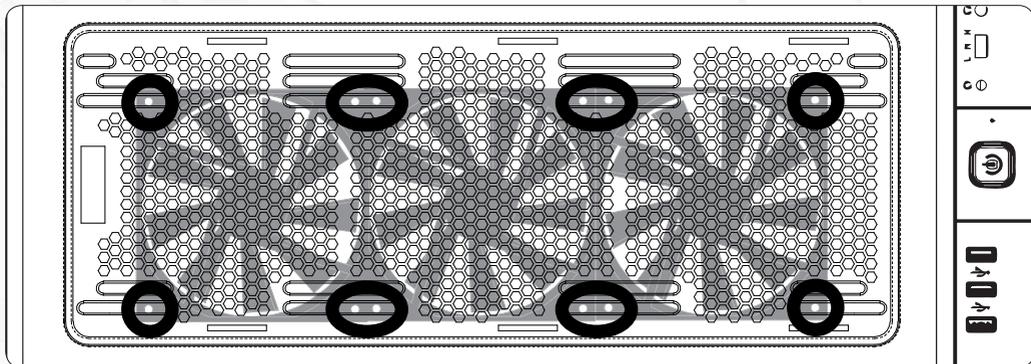
Next, please remove the front panel (see chapter 4.1) and the dust filter, as well as the fans (see chapter 5.1).

Hold the radiator (and the fans, if desired) from the inner side to the front and fix it with screws from outside, using the appropriate long holes.



9.2 Installation of a radiator or compact water cooling solution under the top cover

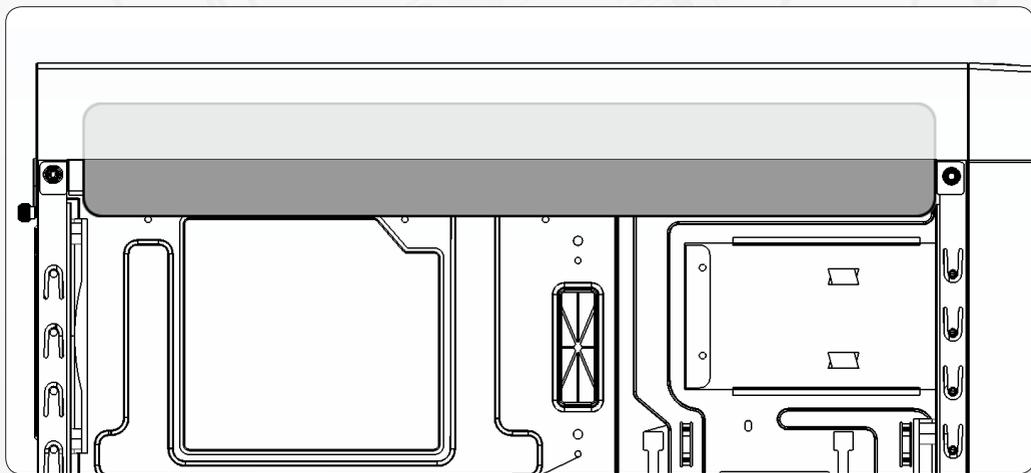
For the installation of a 120/240/360 mm radiator under the top cover, please use the laterally offset mounting holes.



These special mounting holes ensure the best possible compatibility with current motherboards.

Please note that you need to remove the Air-Cover (see chapter 4.2). Hold the radiator to the inside of the top cover and fasten it with screws.

If you should need additional space for the installation of a radiator under the top, you can remove the 5.25 inch cage easily (see chapter 2.2).



III. Support

Dear customer,

The PC case you purchased has undergone a very thorough quality control. Nevertheless, should there be any unexpected problems with your case we ask that you first approach the dealer where you purchased the product. They are prepared to assist you with competent and uncomplicated advice and practical support.

If perhaps a few screws were missing or you might have a question that can't be answered by this manual, please do not hesitate to contact us directly by e-mail.

Likewise, we would appreciate your suggestions and comments about our case very much. Our staff will respond to all inquiries quickly and professionally.

Customers from Germany and the European countries can use the following e-mail address for support questions, spare parts or warranty issues:

support@nanoxia-world.com

Customers from Africa, Asia, Australia as well as North and South America can use the following e-mail address for support questions, spare parts or warranty issues:

support.overseas@nanoxia-world.com

For general inquiries, comments, suggestions and the like please refer to:

info@nanoxia-world.com

We are sure that you will be satisfied with Nanoxia CoolForce 1 for many years to come, so please enjoy your new PC case.

Your Nanoxia Support-Team

We reserve the right for errors and alterations.

IV. Legal disclaimer:

All named products and descriptions are trademarks and /or registered trademarks of the respective manufacturers and are accepted as protected. The design and specifications are subject to change without prior notice. This is part of the continuing policy of product improvement at NANOXIA. National product specifications may vary. All rights reserved especially (also in extracts) for translation, reprinting, reproduction by copying or other technical means. Infringements will lead to compensation. All rights reserved, especially in case of assignment of patent or utility patent.

Disposal of your old product:

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused. When this crossed-out wheeled bin symbol is attached to a product, it means the product is covered by the European Directive 2012 /19 /EU gild. Please be informed about the local separate collection system for electrical and electronic products. Please act according to your local rules and do not dispose of your old products with your normal household waste. The correct disposal of your old product will help prevent potential negative consequences to the environment and human health.

NANOXIA is a registered trademark of the PC-Cooling GmbH

PC-Cooling GmbH
Eichenallee 3
24589 Nortorf
Germany

© NANOXIA

info@nanoxia-world.com
www.nanoxia-world.com