

User's Manual

NOFAN CS-70

(NOFAN Natural Convection Cooling version of SILVER STONE FT03)



Please read this manual before installation.
Ver. 1.0

1. NOFAN CS-70 Features

1. Ventilation optimized for natural convection cooling, facilitates passage of a large volume of cool exterior air. All panels, excluding the front panel, have many apertures for effective cooling without the need for fans.
2. Heated internal air can rise directly upward and out of the case for effective cooling.
3. Externally minimalistic with internal sophistication and high quality sandblasted & anodized aluminum panels.
4. Hot-Swap HDD Slot for convenient connection and removal of a 3.5" HDD.
5. USB 3.0 support in the external I/O port (motherboard must support USB 3.0 for proper performance).
6. Fanless design eliminates fan induced dust accumulation and related maintenance for a clean system.




2. CS-70 Specifications

Category	NOFAN CS-70
Dimensions (W x D x H)	235mm x 284mm x 487mm
Weight	4,2kg
Material	Aluminum, SECC
Motherboard Form Factor	Micro ATX
Color	Black
Expansion Slots	4 Slots
3,5" Bay	3 Bays (internal)
2,5" Bay	1 Bay (internal)
External I/O Port	USB 3,0 x 2 / HD Audio

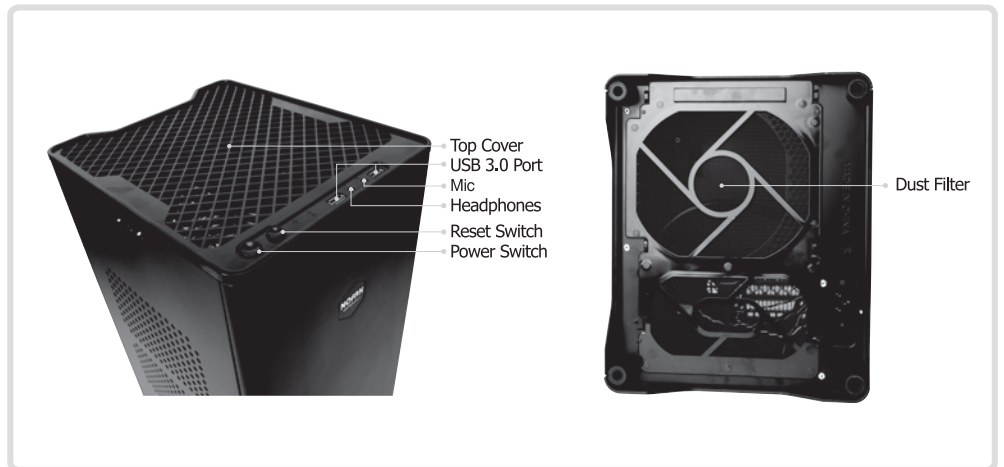
Caution

1. Keep out of the reach of children.
2. Please check the condition and contents of the product before installation and if any problems are found, notify the retailer for a replacement or refund.
3. NOFAN is not responsible for damages due to use other than the intended purpose of the product and improper installation.
4. Please read the manual before installation, for improper installation may cause damage to the CPU and motherboard.
5. Please remove the CPU cooler before the computer is transported. Non-removal may cause damage to system components. NOFAN is not responsible for such damages.
6. Specifications are subject to change without prior notice to enhance quality.

3. NOFAN CS-70 Components

				
① CS-70 Case	② 2.5" HDD Fixing Screw	③ PSU Fixing Screw	④ 3.5" HDD Fixing Screw	⑤ ODD Fixing Screw
				
⑥ SSD Installation Bracket	⑦ Motherboard Standoff	⑧ USB 3.0 Adaptor Cable	⑨ Cable Tie	⑩ Manual

4. NOFAN CS-70 External Features



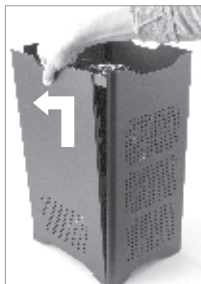
4. CS-70 Installation Preparation



① Remove the Top Cover.



② Lift the Top Cover off the Case.

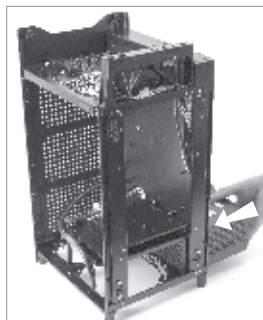


③ Remove the Side Panels by first pulling upward then pulling away from the Case.

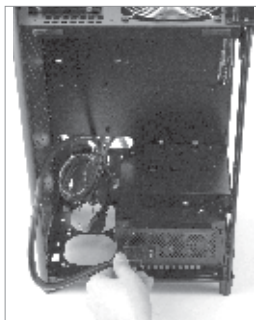


④ Remove the Front Panel by just pulling away from the Case.

5. Power Supply Installation

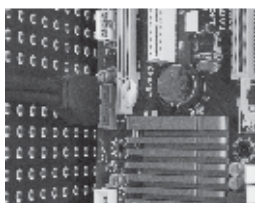


① Slide in the PSU from the right side.



② Secure the PSU with screws, then connect the 90° power cord.

6. USB3.0 Ports Connection to the Motherboard

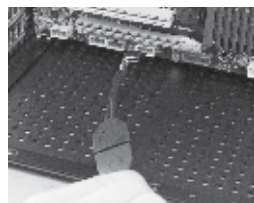


① Connect the USB 3.0 Cable to the motherboard's USB 3.0 connector.

<Installing with Motherboards without USB 3.0>



① Connect the USB 3.0 Adaptor Cable to the USB 3.0 Cable.



② Connect the USB 3.0 Adaptor Cable's USB 2.0 connector to the Motherboard's USB 2.0 connector.

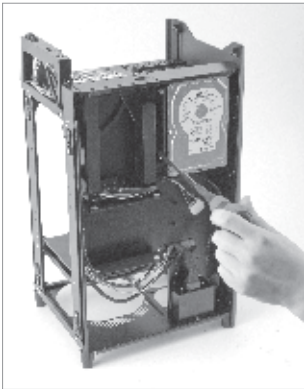
7. HDD Installation



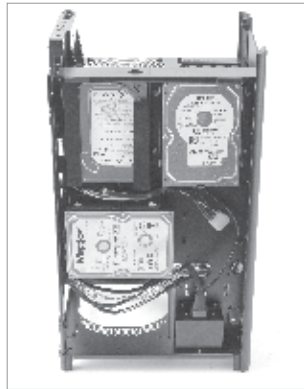
① Tighten the HDD Bracket's screws.



② Tighten the HDD Bracket's screws on the opposite side as well.

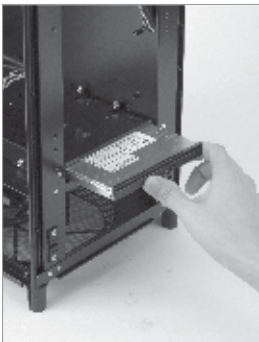


③ Install the HDD with HDD Brackets connected onto the case by screwing the HDD Brackets onto the case.



④ Three 3,5" HDDs and one SSD can be installed.

8. ODD Installation



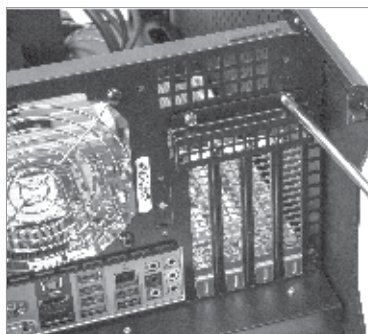
※ CS-70 supports only slim type ODDs

① Slide in the ODD from the front, then secure with the ODD Fixing Screws.

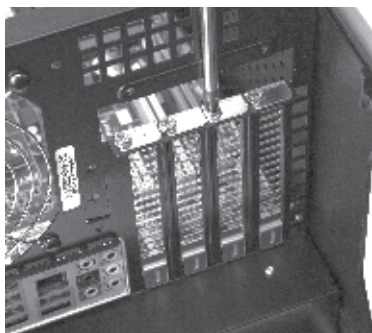
9. Expansion Slots Installation



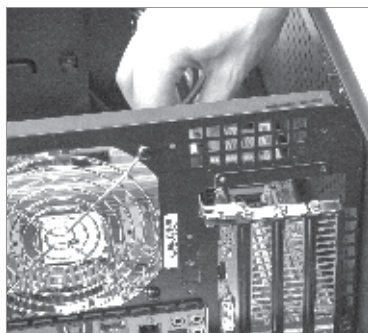
① Remove the Side Panel.



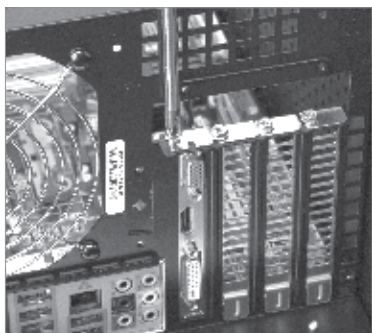
② Screw off the Expansion Slots Cover.



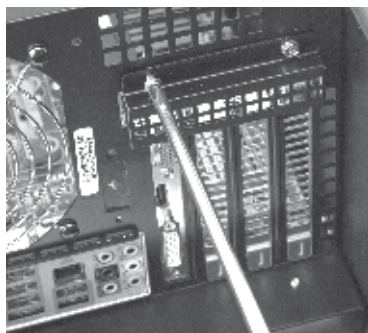
③ Screw off the necessary Expansion Slot Cover.



④ Install the expansion card (VGA/sound card etc.).

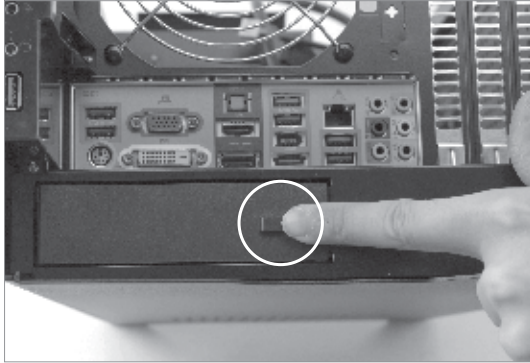


⑤ After the expansion card is installed, screw on the Expansion Slot Cover.



⑥ Screw on the Expansion Slot Cover.

10. Hot-Swap HDD Installation



- ① Release the Hot-Swap Cage Cover on the upper portion of the case.



- ② Carefully insert a 3.5" HDD into the Hot-Swap Cage.

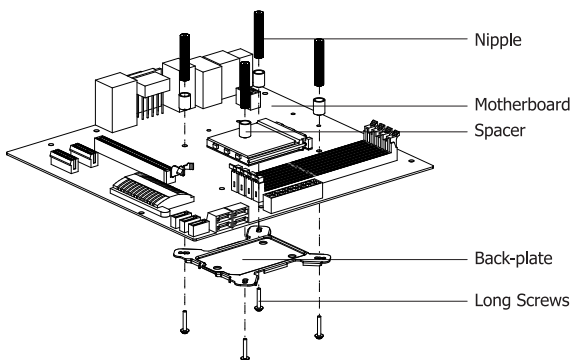


- ③ Close the Hot-Swap Cage Cover by pushing it downward.

11-1. CR-95C(Sold Separately) Installation Guide

1. INTEL CPUs

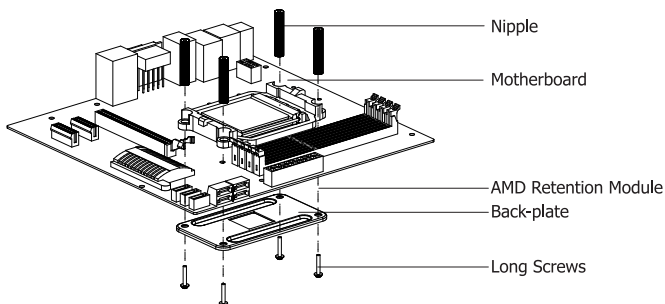
- Insert the four long screws through the back-plate into the four holes on the motherboard and secure them evenly with the four spacers and nipples.



- Installing Intel based CPU mounting kit

2. AMD CPUs

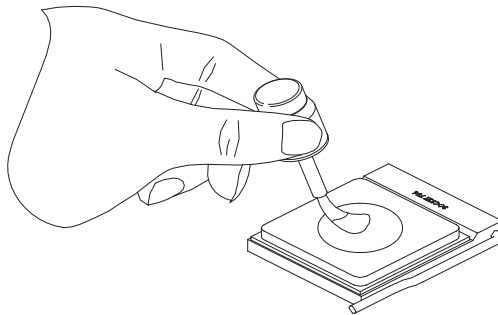
- Remove the retention module, if applicable. Insert the four long screws through the back-plate and the retention module into the four holes on the motherboard and secure them evenly with the four spacers and nipples.



- Installing AMD based CPU mounting kit

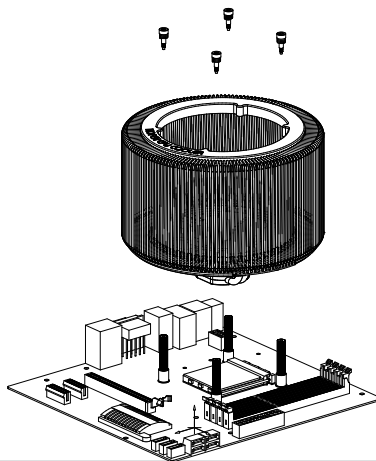
11-2. CPU Cooler Installation

1. Clean surface of CPU.
2. Apply a thin layer of Thermal Grease onto the CPU.



Applying Thermal Grease onto CPU

3. Place the heatsink onto the CPU and tighten each fixing bolt evenly.



12. Recommended Fan-less System by NOFAN Computer

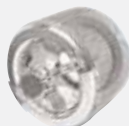
► INTEL System

Recommend Component	Manufacturer	Model
1. CPU	Intel Corporation	Intel Core i5-2500
2. CPU Cooler	NOFAN Corporation	CR-95C
3. Chassis	NOFAN Corporation	CS-70
4. Motherboard	Giga-Byte Technology Co., Ltd.	GIGABYTE GA-Z77MX-D3H
5. VGA Card	SAPPHIRE	Radeon HD 7750 ULTIMATE D5 1GB
6. Power Supply	NOFAN Corporation	P-400A
7. Solid State Disk	Samsung	SSD 830 Series

Recommended products for optimum noiseless(0 dBA) system,



1.CPU



2.CPU Cooler



3.Chassis



4.Motherboard



5.VGA Card



6.Power Supply



7.Solid State Disk

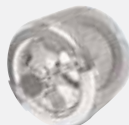
► AMD System

Recommend Component	Manufacturer	Model
1. CPU	AMD	A8 3850
2. CPU Cooler	NOFAN Corporation	CR-95C
3. Chassis	NOFAN Corporation	CS-70
4. Motherboard	Giga-Byte Technology Co., Ltd.	GIGABYTE GA-A75M-UD2H
5. VGA Card	SAPPHIRE	Radeon HD 7750 ULTIMATE D5 1GB
6. Power Supply	NOFAN Corporation	P-400A
7. Solid State Disk	Samsung	SSD 830 Series

Recommended products for optimum noiseless(0 dBA) system,



1.CPU



2.CPU Cooler



3.Chassis



4.Motherboard



5.VGA Card



6.Power Supply



7.Solid State Disk

13. NOFAN Warranty Policy

NOFAN certifies its products to be free of defect in material and workmanship from normal usage. NOFAN is not responsible for damage to, or loss of, any programs, data, or removable storage media. User is responsible for maintaining and regular back-ups. NOFAN will repair or replace the defective product with the same product. If the product is discontinued, NOFAN will replace with one of the similar or higher grade. This provision is confined to the warranty period. The warranty period will begin on the date of purchase on the receipt. If the buyer is unable to provide proof of receipt, the warranty will start on the date of production recovered from printed serial number. This warranty is non-transferable.

Duration of Warranty

NOFAN brand cases will be warrantied for 1 Year.

Following cases are not covered by the warranty:

1. If the case has been modified without written consent from the NOFAN.
2. If the serial number has been modified, or removed.
3. Accidental or intentional abuse, misuse, neglect, natural disaster, or any other acts of nature, failure to follow User's Manual, shipping or transport damage, or any other causes not related to product defect.
4. Repair or attempted repair by anyone not authorized by NOFAN.
5. Any damages unrelated to manufacturing defects.

Outside Korea

If you require warranty services outside Korea, please contact your retailer, dealer, or distributor from whom you have purchased the product.



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