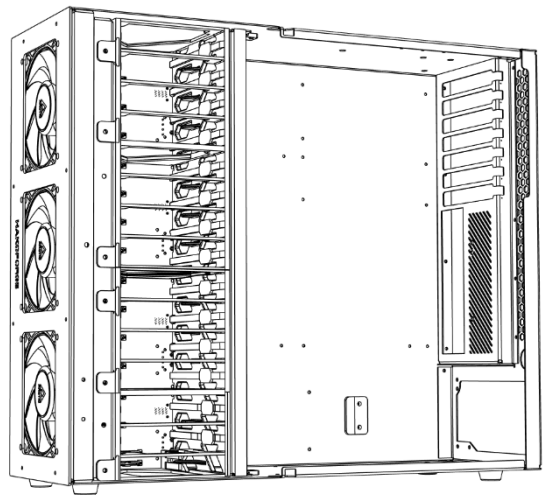
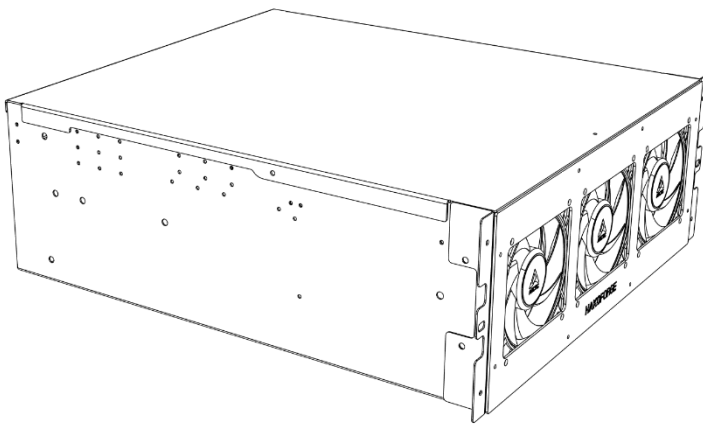




HAKEFORGE

HF-L1 4U Server Chassis User Manual

Version 1.0 June 2026





HF-L1 4U Server Chassis

User Manual

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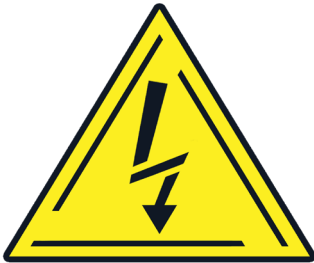


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WELCOME TO THE FORGE!

Thank you for supporting HakoForge! Please read this user manual carefully before use. It will explain the installation and usage of the HakoForge Lite 1 (HF-L1) chassis components and products. The HF-L1 will come pre-assembled and ready for use. The HF-L1 will be an ongoing project. As new cages or PCBs are made, this manual may be updated or changed. All versions and other documentation can be referenced on our GitHub. For any questions and support, contact us at help@hakoforge.com

CAUTIONS



This chassis is designed for use with ATX power supplies and high-current components. Incorrect use of power supplies or improper wiring may result in electric shock, fire, or equipment damage.

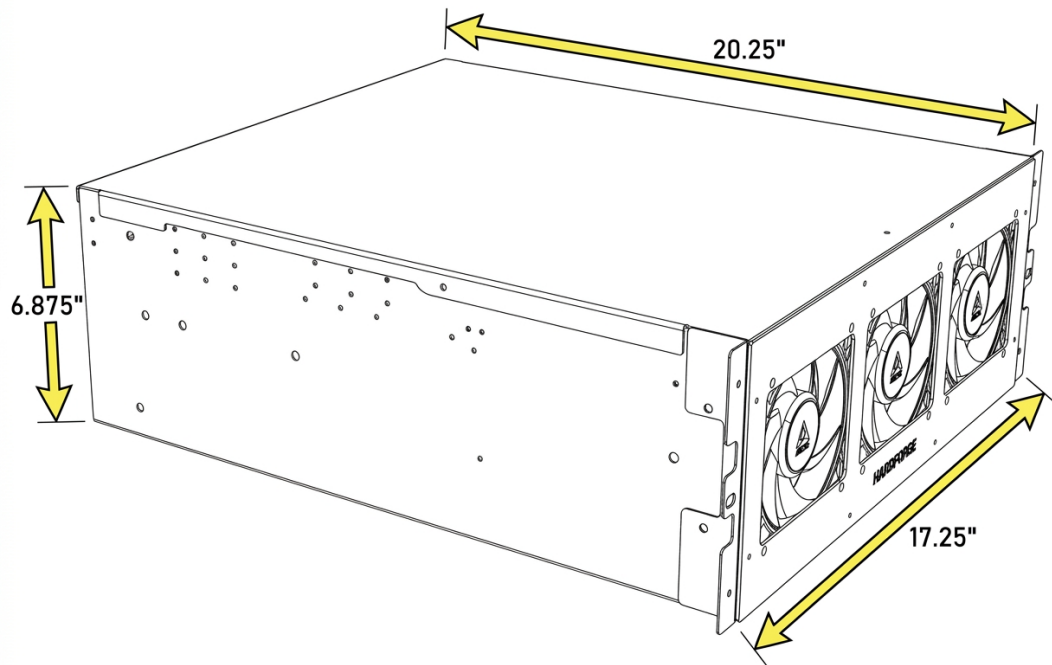
To protect yourself and other electronic components

- It is always recommended to disconnect power before doing any installation or maintenance when possible.
- Keep unused connectors clear from contacting other surfaces
- Ensure the proper PSU connectors are used



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DIMENSIONS AND SPECIFICATIONS

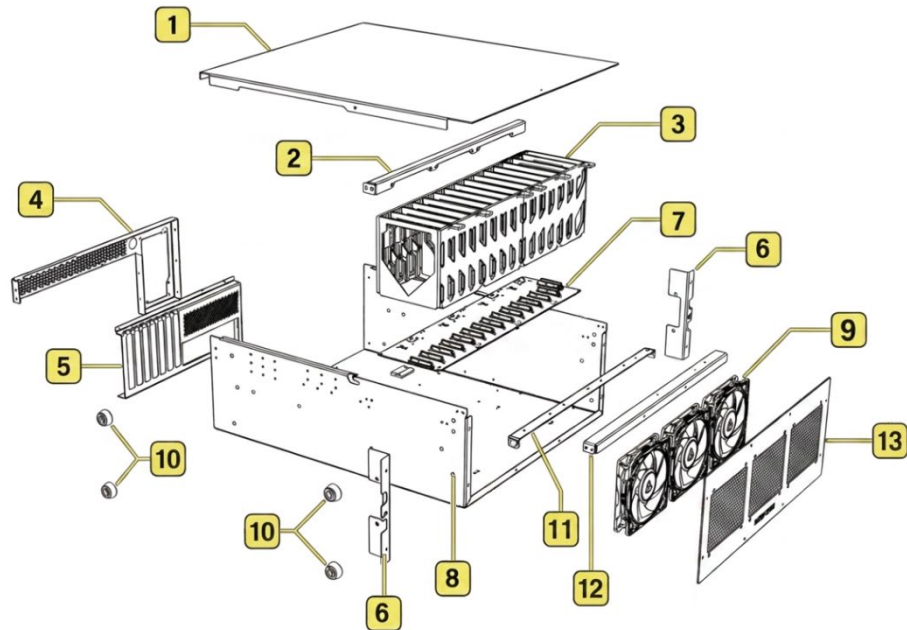


Recommended PSU	Corsair HX100i
GPU Clearance	Length: ~320mm, Height: ~154mm
CPU Cooler Clearance	~150mm +- 5mm depending on motherboard
Form Factor	4u
Weight	17lbs default configuration
Materials	Powder coated steel
Dimensions	20.25" x 17.25" x 6.875"
Backplane	1 preinstalled backplane
Motherboard Support	CEB, ATX, Micro ATX, Mini-ITX
PSU Support	ATX, SFX (With Adapter)
Fans	3 included fans



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EXPLODED VIEW



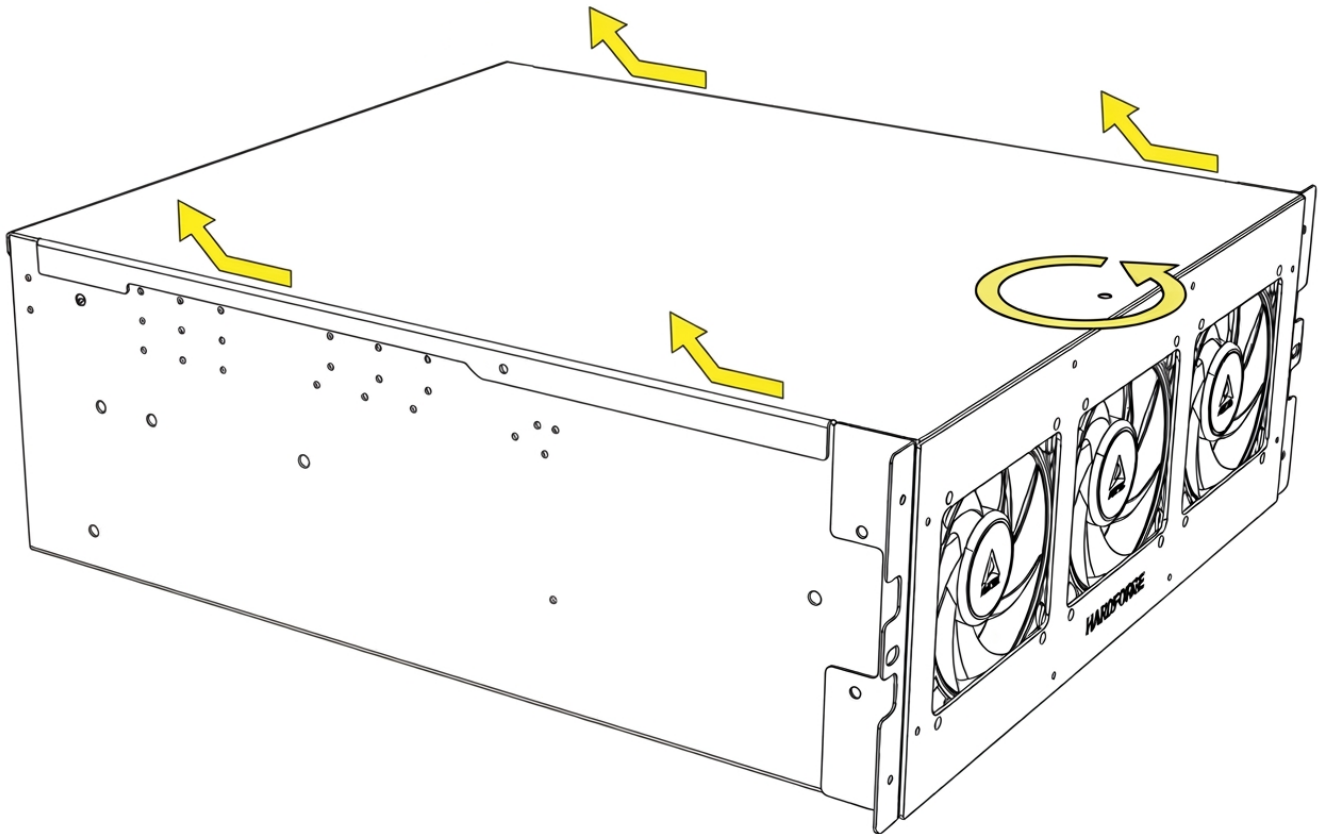
1	Top Lid
2	AIO/Fan Bracket
3	Drive Cages
4	PSU Bracket
5	PCIE I/O Bracket
6	Rack Ears
7	Backplane
8	Chassis Body
9	Fan
10	Chassis Feet
11	Cage Bracket
13	Front Bracket
14	Faceplate



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TOP PANEL REMOVAL

1. Remove the screw on the lid.
2. Slide the lid back, then lift up

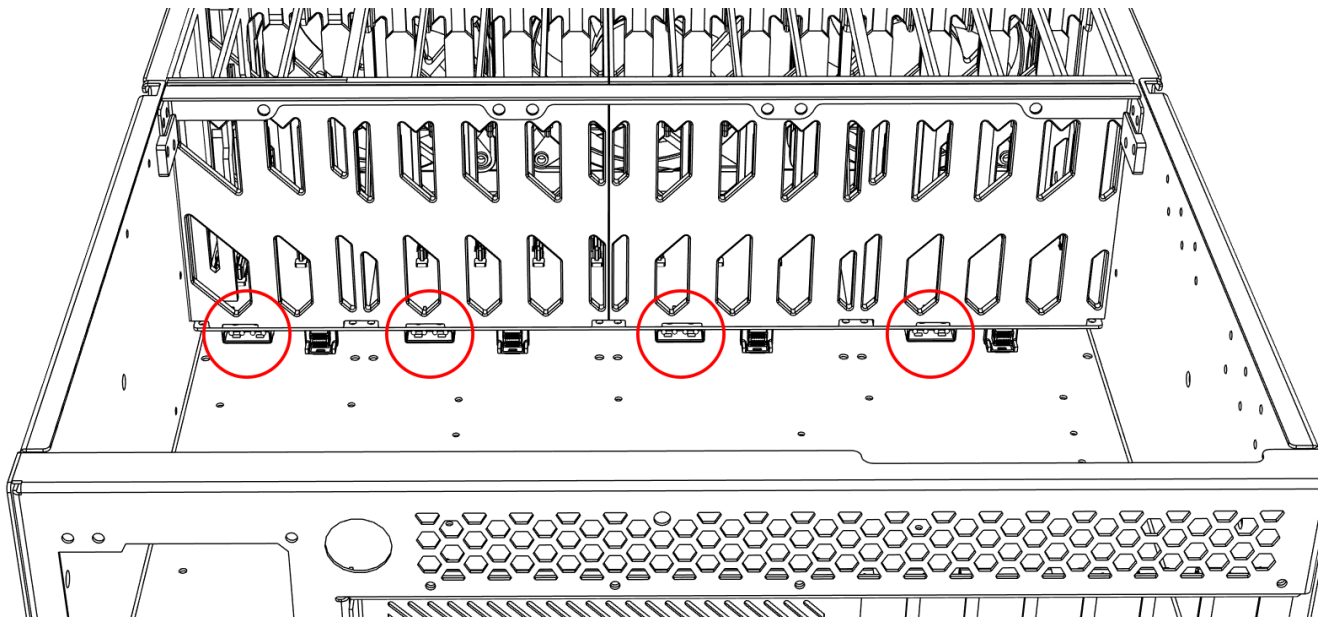




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Power

This chassis does require a power board and instead uses 4 PATA power cables directly from the PSU connected to the backplane at the indicated areas below. Included are 2 extension cables to help you. Optionally, a power board can be purchased separately for PWM fan control and usage of HakoFoundry.



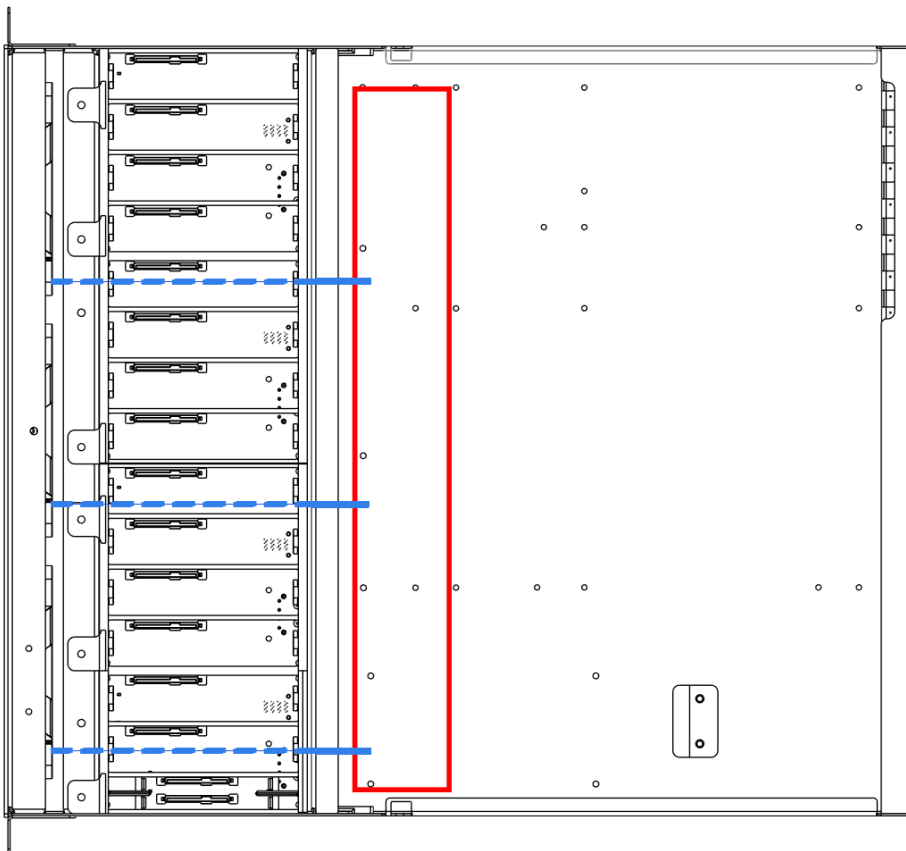


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WIRE ROUTING

The HF-L1, when purchased will come pre-assembled and cable managed. When managing cables yourself, we recommend the following practices.

- Route power cables in the red center channel towards the bottom side of the case where the PSU is located(bottom right).
- The Front fan cables will come pre-routed underneath the PCB as shown by the dotted blue line in the image below.
- When possible, route SAS cables away from power cables.
- Use zip-ties to secure cables when possible

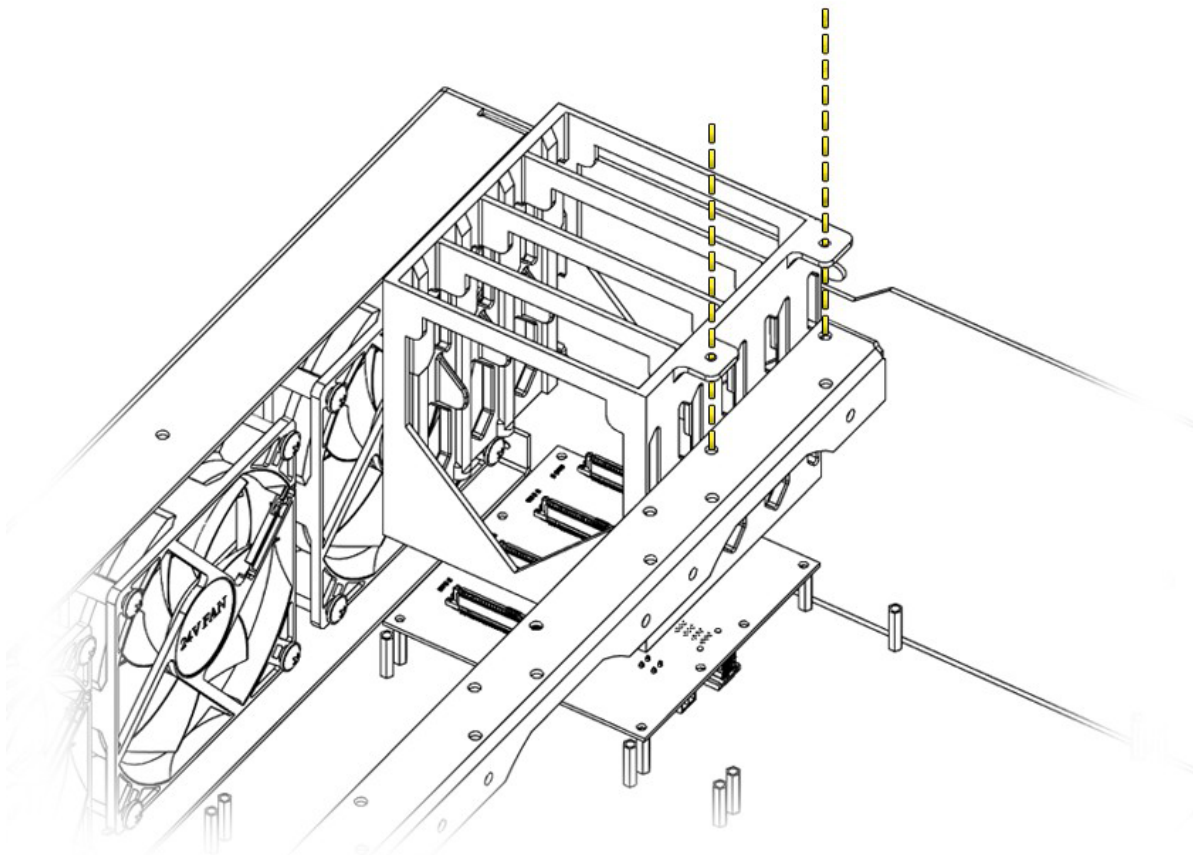




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CAGE INSTALLATION

1. Slide the drive cage into the slot. It will sit on top of the PCB. Use thumb screws to secure the cage tabs onto the cage bracket.

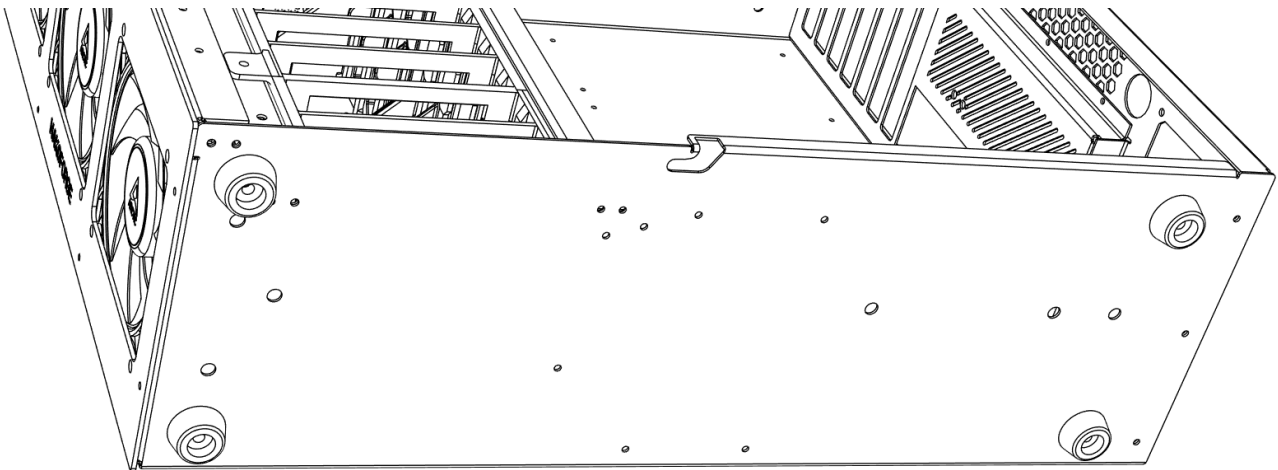




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Chassis Feet

Available to purchase are 4 feet that can be screwed onto the side of the case to have a standing configuration.





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WARRANTY

All HakoForge products come with a 90-day limited warranty. Contact us at help@hakoforge.com for warranty support.

This warranty is limited to the original purchaser and warrants that the product is free from manufacturing defects for the specified time period.

This warranty does not cover damage or problems caused by, but not limited to:

- Wear and tear from normal use
- Any improper use that does not follow procedures described in the manual
- Any accidents or modifications
- Incorrect use with a power supply

HakoForge recommends regular backups and proper data storage practices. HakoForge is not responsible for any data loss that may occur.