



RS8531AW Gen4 External PCIe Chassis



Quick Installation Guide V1.01

RS8531AW Overview

RS8531AW is an external PCIe expansion Chassis. It is equipped with the latest PCIe 4.0 slots optimized for GPU (Graphics Processing Unit) access, superior cooling, flexible expansion options, and broad system compatibility. It offers a robust, reliable hardware platform ideal for high-performance needs.

System Requirements

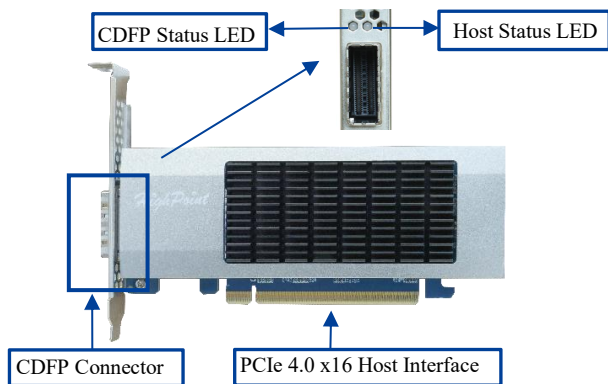
- System with a free PCIe x16 slot
- All the Operating Systems that support the PCIe standard

Kit Contents

- 1x PCIe 4.0 x16 Host Interface Card
- 1x External Enclosure Device
- 1x 1M CDFP to CDFP Gen4 Cable
- 1x UL Power Cord
- 4x 2x4 connectors to 2x4 connectors Cables
- 6x Cable Ties
- 1x Quick Installation Guide

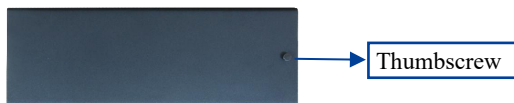
RS8531AW Hardware

Host Interface Card

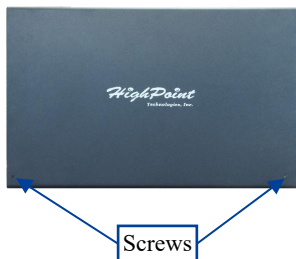


Note: Please refer to the detailed description of LED colors and their status in the RS8531AW Gen4 External PCIe Chassis User Guide on the official website.

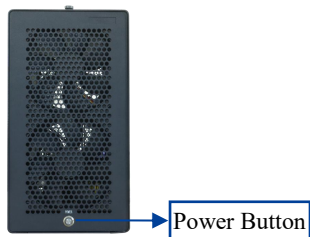
External Enclosure Device-Upper View



External Enclosure Device-Left Side & Right Side

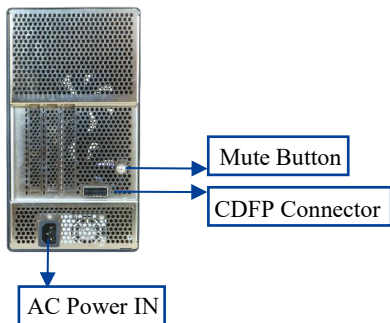


External Enclosure Device-Front View



- **Power Button:** Used to power the entire Chassis on and off.

External Enclosure Device-Rear View



- **Mute Button:** Mute the beeper of the Chassis.
- **CDFP Connector:** CDFP cable connector for the Host Interface Card connection.
- **AC Power IN:** Connect to the AC power cord.

RS8531AW Hardware Installation

1. Use a wired ESD wrist strap that is properly grounded.
2. Unpack and remove the RS8531AW and check it for damage.

If it appears damaged, please get in touch with HighPoint Technical Support.

3. Turn the thumbscrew counterclockwise and remove the four screws at the bottom of the left side and right side.



4. Gently Remove the RS8531AW cover.

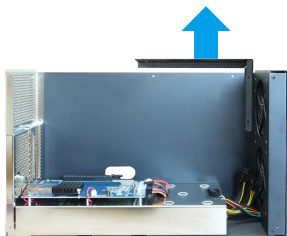


5. Remove the screw and PCIe slot cover.

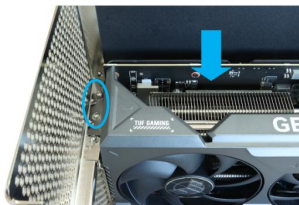


Note: Remove the screw and PCIe slot cover according to the width of the accessed GPU (Maximum support for one triple-width GPU).

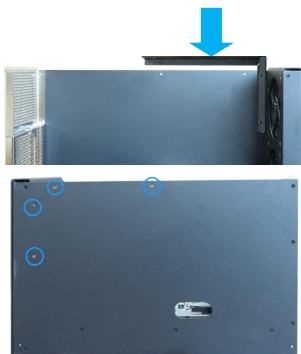
6. Remove the cable trunking by removing the four screws on the back of the Chassis.



7. Hold the GPU by its edges, insert it connector-down into the slot, and secure the GPU bracket with screws.



8. Install the cable trunking by reattaching the four screws on the back of the Chassis.

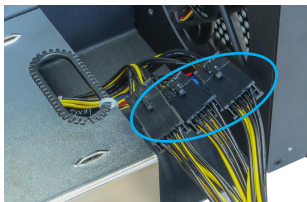


9. Connect the GPU power connector to the power connectors inside the Chassis.

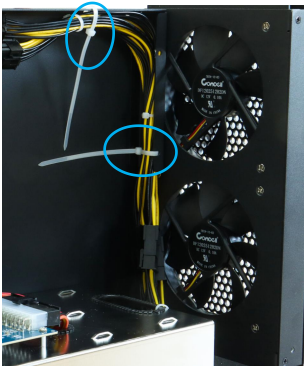


Note: If the GPU power cable is not long enough, refer to the following steps to connect the GPU using the 2x4 connectors to the 2x4 connector Cables.

- 1) Connect the 2x4 connectors to the power connectors inside the Chassis.

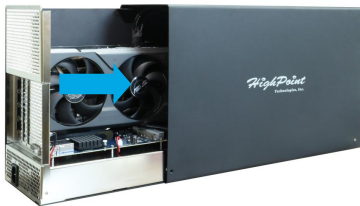


- 2) Place the 2x4 connectors to 2x4 connectors cables into the cable trunking and tie the cables with cable ties.

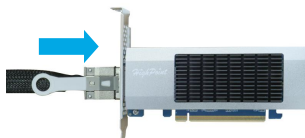


The recommended number of cable ties is between two and four, and the ties should be placed horizontally and vertically.

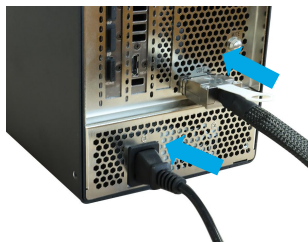
10. Close the RS8531AW Chassis, and screw back screws and thumbscrew that were removed in step3.



11. Connect the CDFP cable to the Host Interface Card's external port.



12. Connect the CDFP cable to the Chassis's CDFP port and the UL power cord to the Chassis for AC power connection.



13. Insert the Host Interface Card into the motherboard's PCIe x16 slot.
14. Press the power button to turn on the power up the RS8531AW, then power up the motherboard.

Resources

Various manuals and FAQs are available for the RS8531AW External PCIe Chassis.

For Documentation and more information about this product, please visit the following website:

<https://www.highpoint-tech.com/rs8531aw-individual-page/>

FAQ & Troubleshooting:

[FAQ - HighPoint Technologies, Inc.](#)

Customer Support

If you encounter any problems while utilizing the RS8531AW or have questions about this or any other HighPoint Technologies, Inc. product, please contact our Customer Support Department or check our FAQ for more information.

Web Support:

<https://www.highpoint-tech.com/support-and-services>

HighPoint Technologies, Inc. websites:

<https://www.highpoint-tech.com>