

Raidon HiU1776 Internal Storage Solution for 1xM.2 NVMe or 1xU.2 SSDs

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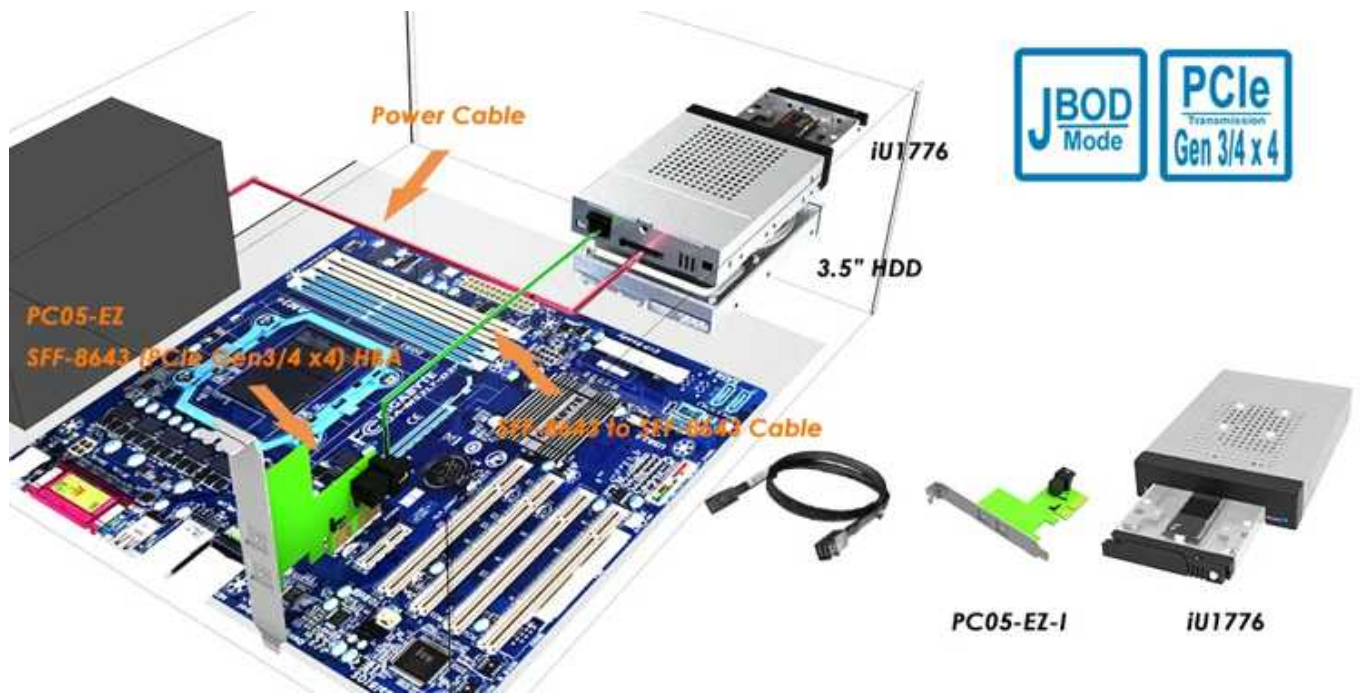
[Raidon Technology, Inc.](#) announces the [HiU1776 storage solution](#), designed for those seeking the high speed and compact size of M.2 NVMe SSDs.



It features the PC05-EZ-I HBA, a component that enables M.2 NVMe SSDs to connect with a PCIe slot within the iU1776-U6P3 NVMe enclosure. This enclosure is tailored to fit into a 3.5-inch HDD bay, ensuring integration into existing systems.



This 'Complete Solution' package bridges M.2 NVMe SSDs with the high-bandwidth PCIe interface and also guarantees a fit within standard HDD bays, marking an advancement in storage solutions for both enthusiasts and professionals.



The HiU1776 is an all-in-one, high-performance storage expansion that's easy to install and maintain, offering flexibility and speed for advanced computing needs.

The key features are included all of followings:

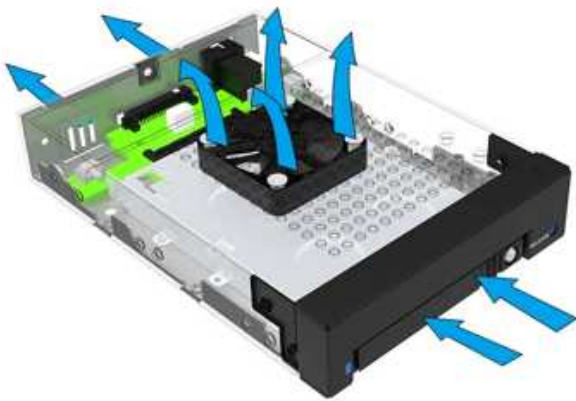
- **Complete solution:** comes with a firm's PC05-EZ-I HBA adapter, enabling user to extend the reach of M.2 NVMe SSDs from PCIe to the iU1776-U6P3 NVMe enclosure.
- **PCIe HBA support:** included PC05-EZ-I HBA card features a mini SAS connector
- **NVMe SSD enclosure features:** supports all sizes of M.2 NVMe SSDs (2280/2260/2242), compatibility with U.2 SSDs and also compatible with 9.5mm U.2 SSDs and RAIDON's UBOX Mini Converter.
- **Easy M.2 NVMe SSD replacement:** The design allows for straightforward swapping of M.2 NVMe SSDs with 2 screws, emphasizing the simplicity of the maintenance process.



- **Fast connectivity:** Mini SAS (SFF-8643) Connector ensures compatibility with PCIe Gen 3 and Gen 4 interfaces, providing fast data transfer rates to keep up with intensive tasks.

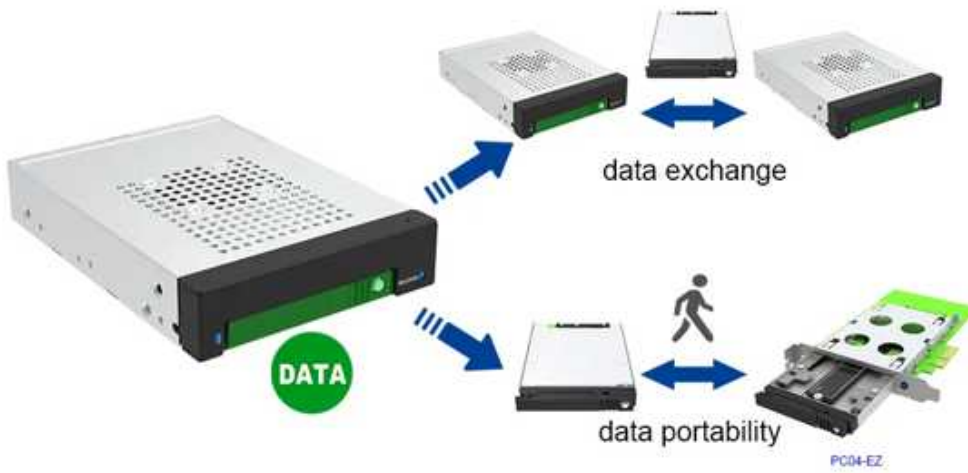


- **Enhanced security:** An integrated key lock tray helps prevent unauthorized removal of the disk, securing data effectively.
- **User-friendly operations:** The HiU1776 is built for compatibility with current host systems, offering plug-and-play functionality for a user-friendly setup experience.



- **Thermal management:** Includes a silent fan to maintain performance under heavy workloads and extend the lifespan of M.2 NVMe SSD.
- **Thermal silicone pad in UBOX Mini:** Features an ultra-soft thermal silicone pad that efficiently disperses heat, ensuring M.2 NVMe SSD operates at peak performance.

The HiU1776 storage solution is crucial for an array of applications where speed, data integrity, and continuous operation are critical, particularly in ML Model Training and AI applications. Its fast data transfer rates are essential in reducing training times for AI models, especially deep learning ones, by providing quick access to large datasets and intensive computational resources.



Additionally, the HiU1776 is versatile, supporting scenarios including data preprocessing, AI-driven analytics, edge computing, natural language processing (NLP), simulation and modeling, AI for finance, distributed AI research, CDNs, and AI-powered security systems. This versatility ensures that the HiU1776 can provide the necessary edge for timely decision-making across different AI applications.



- A. HDD/SSD Tray & Tray Handle
- B. Tray Key Lock & Push Open Button
- C. HDD/SSD Access LED
- D. RELEASE Button (HDD hot swappable function)



- E. 15-pin Power Connector
- F. SFF-8643 (PCIe Gen3/4 x4) Port
- G. PC05-U6P3 Hot Plug Port

Model No	HiU1776
Interfaces	1 x SFF-8643 (PCIe Gen3/4 x4)
Compatible Drive	1 x M.2 NVMe SSD (2242/2260/2280) 1 x U.2 SSD (height 9.5mm) Tray with lock
Storage Mode	JBOD
System Monitoring	LED Indicators
Operating System	Windows , Linux
Cooling System	4 cm Low noise fan
Electrical and Operating Requirements	* Line voltage: 12V + 5V DC * Operating temperature: 32° to 104° F (0° to 40° C) * Storage temperature: -4° to 116° F (-20° to 47° C) * Relative humidity: 5% to 95% noncondensing
Size	102(W)×26(H)×147(L) mm
Package Accessories	* iU1776-U6P3 x 1 * PC05-EZ-I x 1 * SFF-8643 to SFF-8643 Cable x 1 * Accessory kit * Quick Installation Guide

