AC-i840M2P

Icy Dock ToughArmor MB840M2P-B M.2 NVMe SSD to PCIe 3.0 x4 Removable SSD Mobile Rack for PCIe Expansion Slot

Product Overview

Icydock ToughArmor mb840M2P-B - 1x M.2/nGff (2230/2242/2260/2280/22110, NVMe mode only), PCI-E 3.0(4x), with hot-swap removable inner tray (rear accessed), tool-less M.2 drive installation, thermal pad + full metal housing, with drive activity



Specifications

Overview:

The ToughArmor MB840M2P-B turns a PCIe 4x, 8x, or 16x expansion slot into a removable M.2 NVMe drive bay, allowing you to swap in M.2 NVMe SSDs without needing to open the computer case.

Features:

- Fits 1x M.2 PCIe NVMe SSD with all drive length including 2230 (30mm), 2242 (42mm), 2260 (60mm), 2280 (80mm), and 22110 (110mm)
- Use 1x PCIe 3.0 x4 interface, also supports installation into PCIe 3.0/4.0 x4, x8, and x16 slots
- Install into a single-width full-height/half-height PCIe expansion slot
- Removable drive tray with tool-less drive installation design for easy drive maintenance
- Low profile design allows for multiple bays to be installed side-by-side in a modular design
- Eagle-hook lock system keeps the drive secure in the enclosure
- EMI Grounding - protects hard drives from electrical damage
- Anti-Vibration Technology (AVT) reduces noise and protects against environmental damage
- Active Power Technology (APT) saves power by shutting the device down when no drive is install
- PCIe interface provides both power and data transfer which ultimately reduce cable clutter
- Built-in thermal pad conducts the heat from the drive to the metal tray
- Optional HDD activity signal output lets you transfer the drive activity signal to computer case
- Industry leading 3-year warranty against all defects
- Complimentary support from professionally trained US-based technical support agents

Innovative Removable M.2 NVMe SSD Enclosure

A typical M.2 drive is installed on a motherboard or a riser card and secured by a tiny screw. Additionally, the physical

installation process is very troublesome and time-consuming. However, with the MB840M2P-B and it's removable drive tray design, you can utilize the PCIe expansion slot and makes M.2 NVMe SSD installation and removal a more straightforward and productive process.

State of the Art Tool-less M.2 Drive Installation
The whole process takes less than five seconds to complete, saving you the hassle of dealing with tiny easy to loose screws and bringing an efficient and innovative way for M.2 SSD installation. The patent-pending M.2 adjustable locker lets you quickly place the M.2 NVMe SSD (2230, 2242, 2260, 2280, 22110) into the drive tray and move the adjustable M.2 locker towards the M.2 NVMe SSD to lock the drive in place.

Optimal Cooling Efficiency
The specialized slimline tray is made with thick aluminum and acts as heatsink to dissipate heat generated by the M.2 NVMe SSD. The included thermal pad filling the gap between the contact surface and transfer heat away from SSD to the larger surface, allowing airflow to move the heat away quickly.

Support different system heights
The PCIe slot bracket of the MB840M2P-B can be swapped between full and half-height for flexible system installation. Use the half-height bracket with a low profile system and use the full-height bracket for standard desktop systems, the choice is yours.

EMI Grounding Technology
Grounding your M.2 SSD is very important through many swaps. Swapping drives without grounding may damage the drive due to static shocks. With our innovative M.2 SSD tool-less drive installation design, once the adjustable M.2 locker clips into the SSD screw hole, the SSD will be grounded throughout the tray and housing of the enclosure.

Maximum Compatibility
The ToughArmor MB840M2P-B is designed for the PCIe 3.0 x4 slot. It is also compatible with PCIe 3.0/4.0 x4, x8, and x16 slots.

Tough Protection for the Harshest Environments
With the ToughArmor series, it is equipped with a ruggedized full-metal chassis, tray, and mounting bracket to ensure a long product life. An anti-vibration mechanism is built right into the chassis to shield the drive from environmental damage.

Packed with Features

- The MB840M2P-B is equipped with drive activity LED indicator on the tray that shows the drive power and activity. The LED will be automatically powered off when no drive is installed to save power.
- The optional 2-pin HDD activity signal output (cable not included) allows you to transfer the drive activity signal to the computer case or LED panel and lets you monitor the drive activity in your desired location.
- Utilizing the PCIe 3.0 interface provides power and data transfer at the same location, which ultimately reduces cable clutter in the system. The blazing-fast 32Gb/s transfer speed is five times faster than SATA III, making the MB840M2P-B an ideal solution for data-intensive applications such as image processing, machine learning, cloud computing, and data mining.

Compatible with all PCIe Expansion Slots (Including 2019+ Mac Pro)
The ToughArmor MB839SP-B and MB840M2P-B are compatible with all motherboard PCIe Expansion slots. By using the PCIe slot has many advantages such as providing power and data transfer at the same location which ultimately reduces cable clutter in a PC case. As the 2019+ Apple Mac Pro has computer enthusiasts going crazy for it, our PCIe mobile rack is compatible so you can max out the storage with half of the price that Apple is charging out the door!

ToughArmor MB839SP-B for 2.5" SATA SSD/HDD
If you are looking to install a 2.5" SATA SSD through a PCIe slot, ICY DOCK got you covered! ToughArmor MB839SP-B is compatible with the PCIe 2.0 slot or above and offers hot-swap ability. Pair it with EZConvert MB703M2P-B M.2 SATA to 2.5" SATA HDD adapter to swap M.2 SATA SSD and 2.5" HDD/SSD within the MB839SP-B receiver frame for great compatibility

to a variety of drives.

Specifications:

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Specifications	
Product Code	AC-i840M2P
Model Number	MB840M2P-B
Color	Black & Silver
Support Drive Size	1x M.2 PCIe NVMe SSD (2230/2242/2260/2280/22110)
Compatible Drive Type	NVMe
Number of Drives	1
Support Drive Length	30mm - 110mm
Drive Bay	1 x PCIe 3.0 or 4.0 x4 / x8 / x16 expansion slot
Host Interface	PCIe 3.0 x4
Power Input	Via PCIe
Transfer Rate	Up to 32Gbps (Depending on hard drive speed)
Support HDD Capacity	No Limitation
Drive Cooling	Metal heat dispersion with passive cooling
Structure / Material	Metal with partial ABS plastic
Dimension (W x H x D)	160 x 122 x 22mm
Product Net Weight	181.5g
Package Net Weight	260g
Drive Activity LED Indication	Drive power: solid green; HDD access: flashing green
Package contents	Device, user manual, screw, I/O Faceplate
SATA Connector Insertion Rate	5, 000
Humidity	5%~65% RH
Opertating Temperature	0 degreesC to 60 degreesC (32 degreesF to 140 degreesF)
Storage Temperature	-35 degreesC to 70 degreesC (-31 degreesF to 158 degreesF)
Compliance	CE, RoHS, REACH

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/AC-i840M2P-Icy-Dock-ToughArmor-MB840M2P-B-M-2-NVMe-SSD-to-PCIe-3-0-x4-Removable-SSD-p-254463.php

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