



Model: BP-M22NVME0350 NVMe Dual M.2 SSD Storage Cage

1. Product Overview

The **BP-M22NVME0350** is a high-performance **NVMe M.2 SSD storage cage** designed to support **two M.2 NVMe SSDs** within a standard **3.5" drive bay** form factor.

The product integrates a robust mechanical structure, secure tray design, active cooling, and high-speed PCIe interfaces, making it suitable for servers, workstations, and enterprise storage systems.

2. Supported Devices

- **Form Factor:**
 - 1 × 3.5" drive bay
- **Drive Support:**
 - 2 × M.2 NVMe SSDs
- **SSD Type:**
 - M.2 NVMe SSD (M-Key)
- **Supported SSD Lengths:**
 - 2230 / 2242 / 2260 / 2280

3. High-Speed Data Transmission

- **Transfer Protocol:**
 - **PCIe x4 per SSD**
 - Supports **PCIe Gen3 / PCIe Gen4**
 - **Transfer Rates:**
 - Up to **32 Gbps (PCIe Gen3)** per x4 link
 - Up to **64 Gbps (PCIe Gen4)** per x4 link
 - **Board Interface:**
 - **OCuLink (SFF-8612) connectors × 2, PCIe x4 per connector**
 - **Power Input:**
 - **Mini 4-pin power connectors × 2**
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4. Mechanical & Structural Design

- **Tray Type:**
 - **Stainless steel M.2 SSD carrier trays**
 - **Tray Interface:**
 - **M.2 NVMe (M-Key) SSD carrier interface**
 - **Board Interface (Internal):**
 - **2 × OcuLink (SFF-8612) connectors, PCIe x4 per connector**
 - **LED Indicators:**
 - **Green:** Power On
 - **Orange (Blinking):** Drive Access
 - **Security Mechanism:**
 - **Tri-angle key lock** for SSD tray retention
 - **Cooling:**
 - **Active cooling with 1 × 70 × 70 × 10 mm fan**
 - **Fan speed:** 2800 RPM
 - Designed to provide effective airflow for SSD thermal management
 - **Material:**
 - Aluminum body with stainless steel SSD trays
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5. Installation & Usability

- **Installation Method:**
 - **Tool-less installation** or **built-in screw installation**
- **Maintenance:**
 - Front-accessible tray design enables easy SSD installation and replacement
- **Operating System Compatibility:**

- Compatible with **Windows / Linux / macOS** under standard NVMe drivers
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6. Environmental & Mechanical Specifications

- **Product Dimensions:**
 - **158.5 (L) × 101.2 (W) × 25.4 (H) mm**
 - **Product Weight:**
 - **Approx. 0.32 kg**
 - **Thermal Design:**
 - Integrated heat dissipation with active airflow
 - **Operating Environment:**
 - Designed for enterprise and professional computing systems
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Applications

The **BP-M22NVME0350** is ideal for:

- High-performance server storage expansion
 - Dual NVMe SSD configurations in workstations
 - Embedded and industrial computing platforms
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Key Features

- Supports **2 × M.2 NVMe SSDs** in a 3.5" drive bay
 - High-speed **OCuLink (SFF-8612) PCIe x4 ×2** interfaces
 - Secure stainless steel trays with **tri-angle key lock**
 - Active cooling with **70 × 70 × 10 mm fan**
 - Tool-less installation and easy maintenance
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