

Model No.: BP-G5CNVME22525



1. Product Overview

The Athena BP-G5CNVME22525 is a half 5.25-inch bay size backplane designed to support 2 x NVMe SSDs (7–15mm height) with U.2/U.3 NVMe Gen 5 interface and MCIO x8 connection. This compact backplane delivers high-speed PCIe Gen5 performance with excellent airflow, vibration control, and easy maintenance features suitable for enterprise and industrial applications.

2. Main Features

- Metal frame with stainless HDD/SSD carriers
- Worry-free sliding-in carrier design for easy installation
- Half 5.25" bay with backplane for 2×2.5" NVMe SSD, U.2/U.3 solution
- 1 x 4-pin power connector + 1 x MCIO 8i connector
- Support for 2× 2.5" NVMe U.2 or U.3 SSD (or with M2U04 for 2× NVMe M.2 SSD)
- Individual SSD carriers for hot-swappable access
- Security metal key lock and 2× keys included
- 4020 cooling fan for efficient air ventilation
- Vibration-reducing springs on each HDD tray
- Supports NVMe Gen4 and Gen5 SSDs for reliable performance
- LED indication: Power On (solid green), Accessing (orange blinking)

3. Technical Specifications

Form Factor	1/2 x 5.25" bay size backplane
Supported Drive Type	2 x 2.5" NVMe SSD (U.2/U.3, 7-15mm height)
Interface	MCIO 8i x1 (PCIe Gen5)
Power Connector	1 x 4-pin connector
Cooling	4020 fan x1
Material	Metal frame with stainless HDD/SSD carriers
LED Indicator	Power On: Solid Green / Accessing: Orange Blinking
Dimensions	155.1 x 72.5 x 40 mm
Weight	0.326 kg

4. Applications

- Data center and enterprise servers
- High-performance computing systems
- Industrial control and automation systems
- Workstations requiring high-speed storage access

5. Ordering Information

Model No.	Description	Remark
BP-G5CNVME22525	Half 5.25" Bay Size Backplane for 2 x NVMe SSD (U.2/U.3, Gen5, MCIO x8)	Include 4020 Fan and Key Lock

ATHENA COMPUTER POWER CORP.

reserves the right to make changes to the product at any time without notice.