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HYPER M.2 X16 GEN5 CARD



Agenda

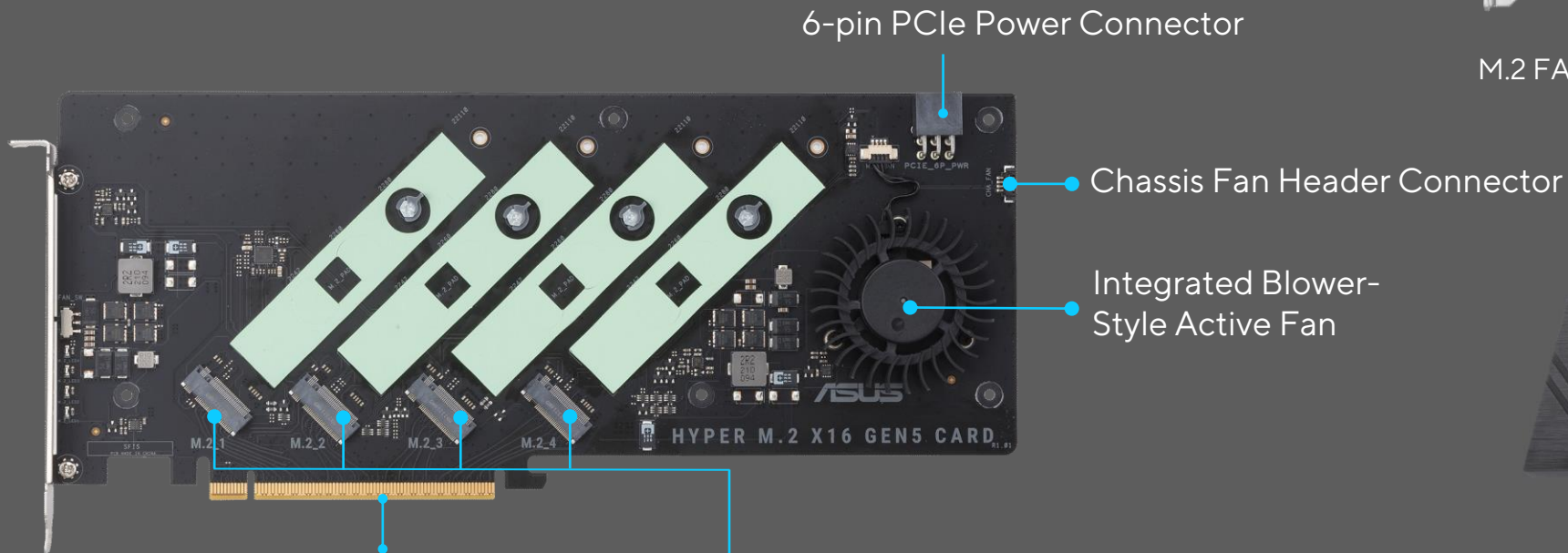
- Product Overview
- Product Highlights
 - Upgrade to next level
 - Solid Thermal Solution
 - FAN XPERT Support
 - Multi Platform Raid Support
- Product Spec

PRODUCT OVERVIEW

Hyper M.2 x16 Gen5 Card is designed specifically for RAID functions in four M.2 slots, providing up to 128GT/s bandwidth per M.2 slot with PCIe Gen5 speed. Come up with 1 x 6pin PCIe Power connector, It also supports intense power consumption Gen5 SSD drives, give DIY PC users better choices when building their ideal workstation or gaming rig.



M.2 FAN Power Switch 4 x M.2 Access LED



6-pin PCIe Power Connector

Chassis Fan Header Connector

Integrated Blower-Style Active Fan



Stylish Heatsink Cover

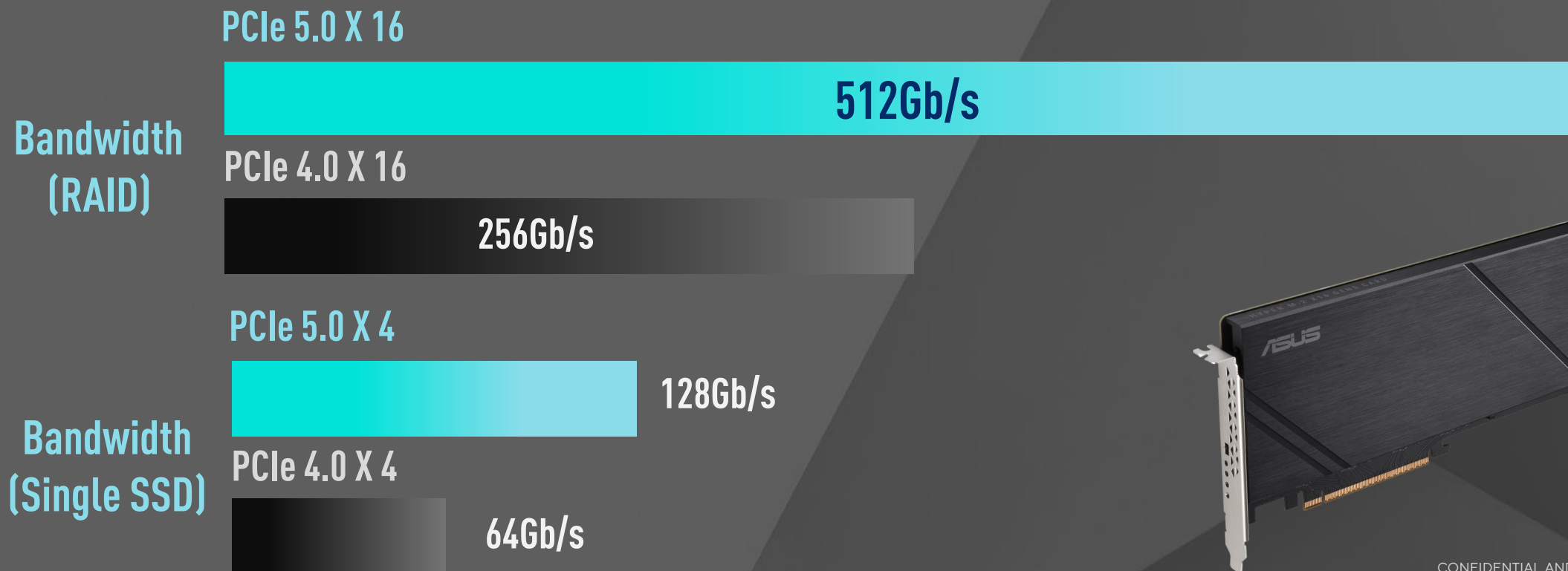
- PCIe 5.0 X16 Interface With **Server-Grade(Low Loss) PCB Material**
- 4 x M.2 2242/2260/2280/22110 Gen 5 Connectors

Product Highlights

- Upgrade to next level
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- Multi Platform Raid Support

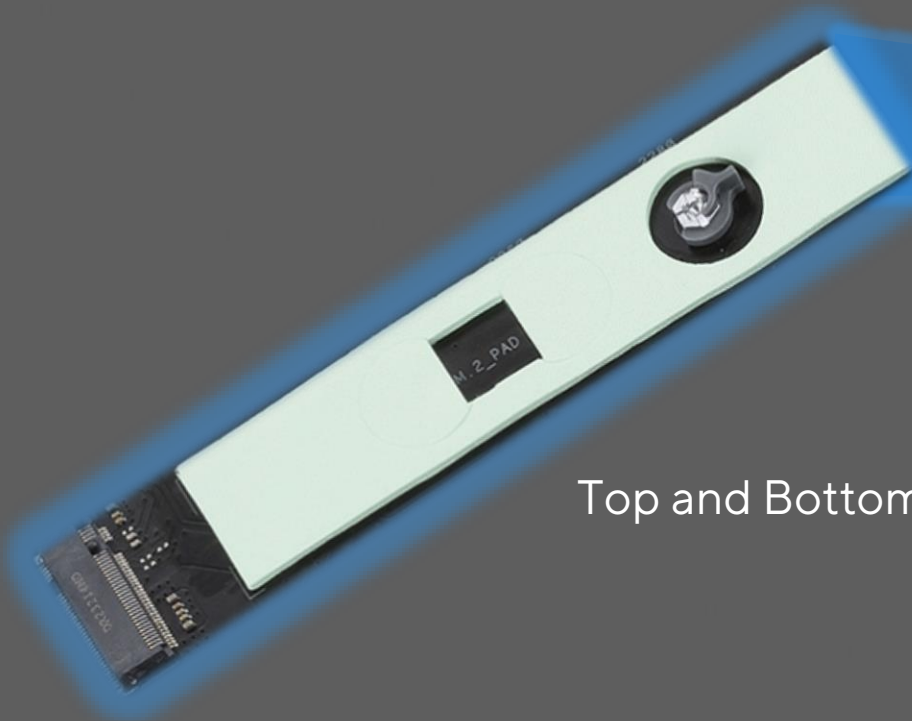
Upgrade to next level

With ASUS **Hyper M.2 x16 Gen5 Card**, unused CPU PCIe®5.0 lanes can be assigned to storage. This feature can utilize PCIe 5.0 x16 bandwidth, performs significantly performance increasing around 8x faster than a single PCIe 4.0 x4 SSD with 4 M.2 device installed. It is also backward compatible for PCIe 4.0 SSDs, Supports PCIe Gen 4 bandwidth for other RAID on CPU models.



Solid Thermal Solution

Full-cover heatsink that attaches to the M.2 SSD and features air duct and blower-style fan. Plus, the four M.2 slots are supported by top and bottom side thermal pads to reduce temperature-induced throttling during heavy, sustained data transfers.



Top and Bottom Side Thermal Pads



FAN XPERT Support

Integrated blower-style active fan can easily connect to the motherboard chassis fan header with accessory cable comes within the box, allowing users to customize fan table with ASUS Fan Xpert applications.



Integrated Blower-Style Active Fan

Fan Xpert 4

ON [Icons]

Fan List

- CPU Fan
- Chassis Fan 1
- Chassis Fan 2
- Chassis Fan 3
- AIO Pump

Smart Mode (Selected) Fixed RPM Mode

Current RPM 634 rpm

PWM(%)

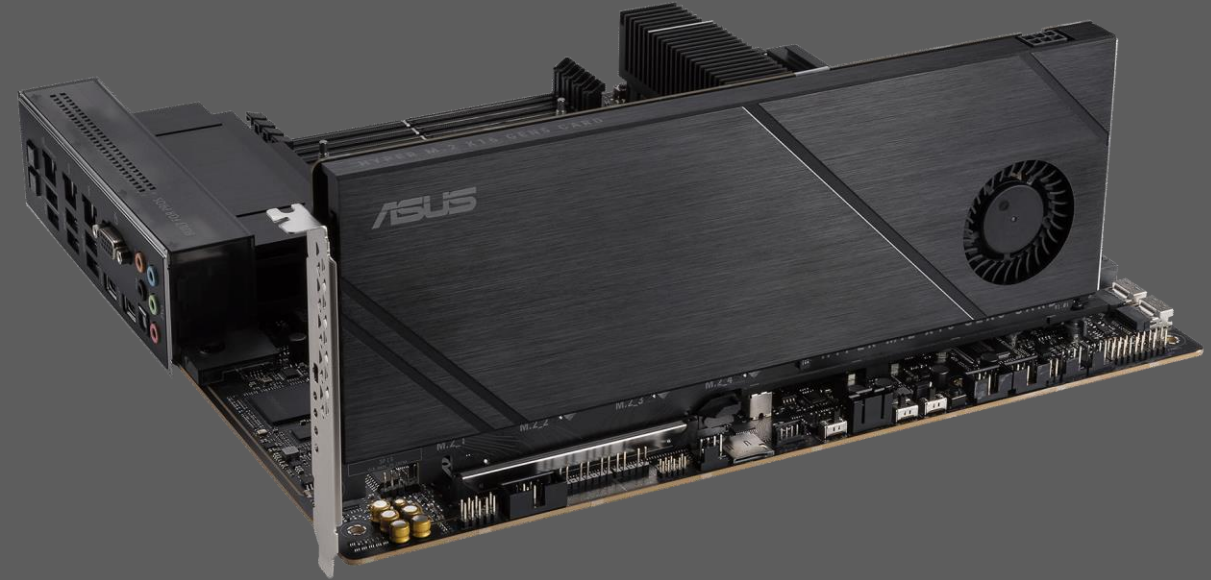
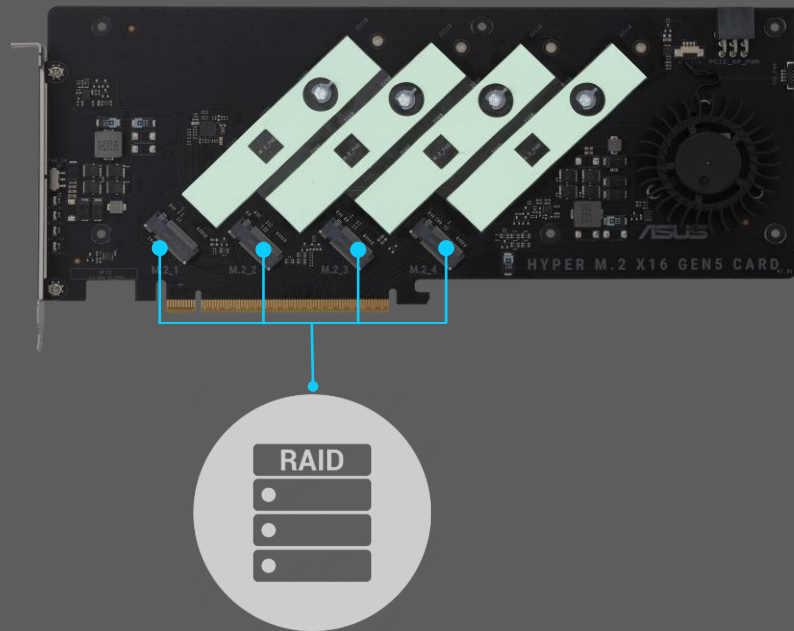
The graph shows the fan's PWM percentage response to temperature. The x-axis represents temperature in degrees Celsius (10 to 100), and the y-axis represents PWM percentage (10 to 100). A yellow dot at 32°C indicates the current CPU temperature, and a red dot at 634 rpm indicates the current fan speed. The fan speed increases as temperature rises, reaching 100% PWM at approximately 80°C.

Temperature (°C)	PWM (%)	Mode
32	~20	Current CPU
~40	~20	Current Fan
~60	~50	Smart Mode
~80	100	Smart Mode
~90	100	Smart Mode

● CPU 32 °C

Multi Platform Raid Support

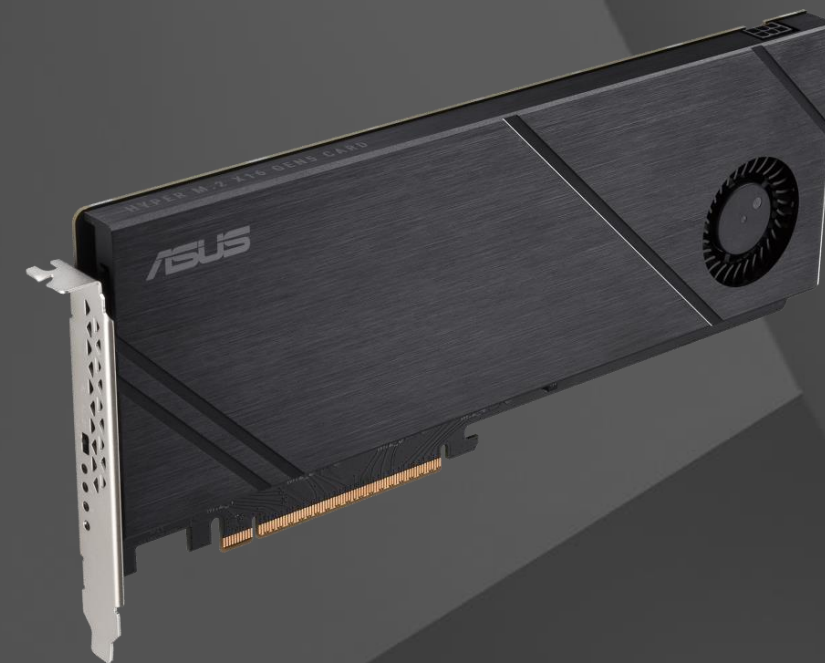
The ASUS **Hyper M.2 x16 Gen5 Card** is compatible with the Intel® and AMD platforms, supports four NVMe® M.2 devices and raid function on different CPU platforms. Unused CPU PCIe lanes can be assigned to storage, allowing you to create a bootable RAID array with up to four M.2 SSDs*.



*M.2 SSD support dependent on CPU and motherboard design. Please check the specifications and user manual of your motherboard. Update to the latest BIOS and set up PCIe bifurcation settings before using the NVMe RAID function.

Product Spec

Model	HYPER M.2 X16 GEN5 CARD
Interface	PCIe 5.0 x16 interface, support data transfer rates up to 512 Gbps.
External Connectors	4 x M.2 slots (Key M), type 2242/2260/2280/22110 (supports PCIe 5.0)* * Supports PCIe M.2 storage devices only.
LED & Switch	1 x Active Fan Power Switch
	4 x M.2 access LEDs
Thermal solution	Active fan with heatsink, support fan control from MB chassis fan header
Dimension	29 (L)*12.2(W) *1.5(H)cm
Compatible models	Visit www.asus.com for latest compatible model lists. Maximum numbers of M.2 SSD support will vary, depending on different CPU specs and PCIe bifurcation settings in different ASUS motherboards. Please see the FAQ link for further information: https://www.asus.com/support/FAQ/1037507





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Thank you

