

MCIO-PCIEX16-G5

HighPoint MCIO-PCIe x16 Gen5 Expansion Bridge Card

The Ultimate PCIe Expansion Solution

HighPoint’s MCIO-PCIEX16-G5 Expansion bridge card can transform industry standard MCIO ports into PCIe Gen5 x16 slots. Each board can accept up to two MCIO connections and provide up to x16 lanes to the hosted PCIe device. This capability significantly boosts system connectivity, effectively overcoming the PCIe limitations of conventional motherboard design.

The x16 mechanical slot accepts any industry standard PCIe device, and can provide up to x16 dedicated lanes of Gen5 bandwidth. The compact solution is similar in size to 1U riser card, and provides multiple mounting point designed for use with standard mounting screws. This enables the bridge card to be easily integrated into industry standard desktop/tower, server or rackmount chassis.

Unmatched Expansion Capability

The MCIO-PCIEX16-G5 can be used with either one or two MCIO connections - either from the host motherboard, or an adapter card. Each slot provides up to x8 lanes of transfer bandwidth:

- A single-port configuration will support up to one PCIe x8 device
- Dual-port configurations can support a single PCIe x16 Device

Designed for use with HighPoint PCIe Switch Adapters

Rocket PCIe Gen5 Switch Adapters are an ideal match for the MCIO-PCIEX16-G5. Proven PCIe Switching architecture provides x48 lanes of internal bandwidth, ensuring each MCIO port allocates x8 lanes of dedicated downstream bandwidth to the bridge card. This also enables each adapter to support multiple bridges; 1 per MCIO 8i port:

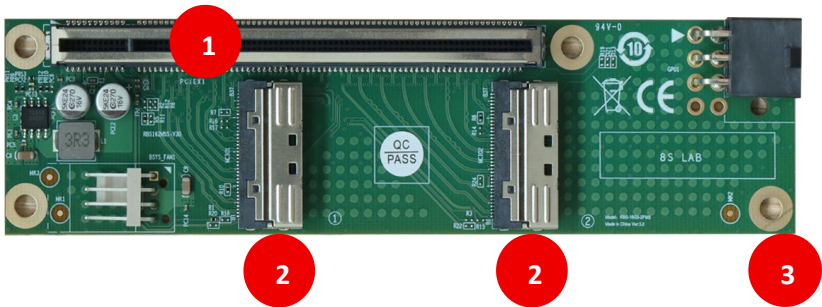
Rocket 7638D: 2x MCIO 8i ports - up to 2x MCIO-PCIEX16-G5 Bridge Cards

Rocket 1624A: 2x MCIO 8i ports - up to 2x MCIO-PCIEX16-G5 Bridge Cards

Rocket 1628A: 4x MCIO 8i ports - up to 4x MCIO-PCIEX16-G5 Bridge Cards

Feature Highlights

- 2x MCIO 8i (SFF-1016) Ports (*dedicated x8 lanes per port*)
- 1x PCIe x16 Slot (up to x16 lanes for hosted PCIe devices)
- Supports 1x industry standard PCIe 5.0 x8 or x16 device (backwards compatible with PCIe Gen4/Gen3)
- Designed for use with HighPoint PCIe Switch Adapters



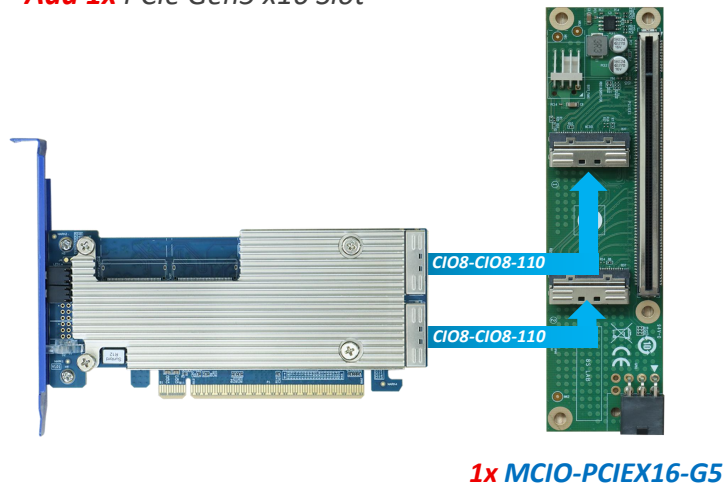
- 1) **PCIe 5.0 x16 Slot** (up to x16 electrical lanes)
- 2) **MCIO 8i Port** (accepts industry standard SFF-TA-1016 connectors)
- 3) **Mounting Point** (accepts industry standard PCIe board/riser screws)

Unmatched Expansion Capability

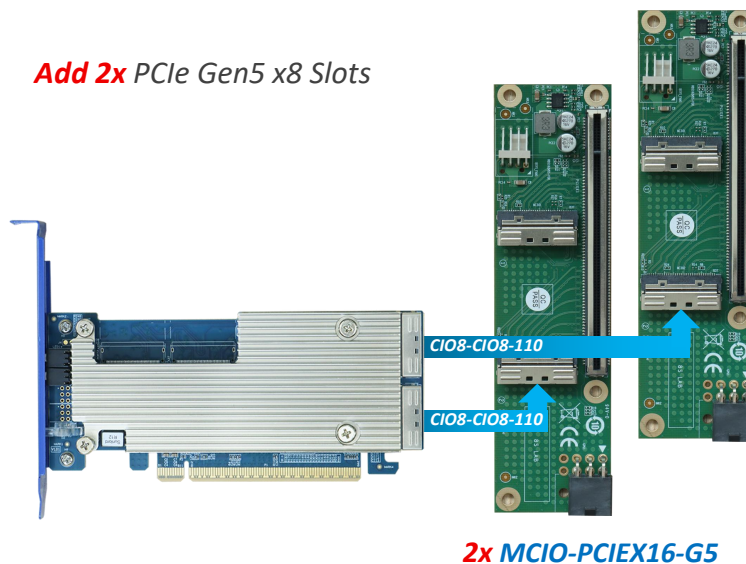
Add up to four PCIe 5.0 Slots to the target host platform

Rocket 1624A

Add 1x PCIe Gen5 x16 Slot

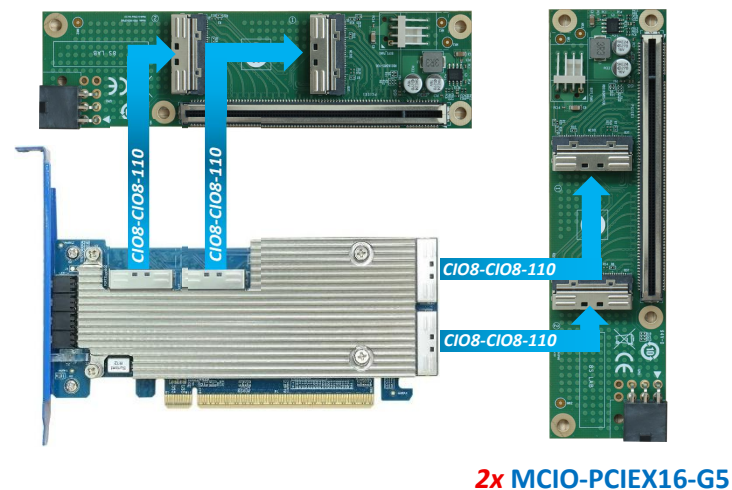


Add 2x PCIe Gen5 x8 Slots

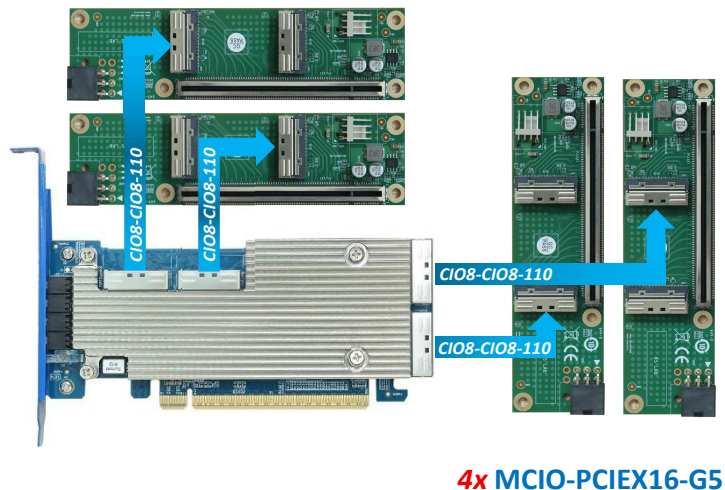


Rocket 1628A

Add 2x PCIe Gen5 x16 Slots



Add 4x PCIe Gen5 x8 Slots



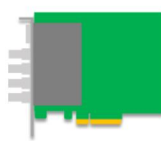
Supports any Industry Standard PCIe Device



GPUs



NICs



Capture Devices



FPGA Cards

HighPoint MCIO-PCIEX16-G5 Expansion Bridge Card	
Bus Interface	PCIe 5.0 x16
Number of Channel / Host	1
Host Port Type	2x MCIO 8i
Device Port Type	1x PCIe 5.0 x16 slot
Data Transfer Rate	64GB/s
Number of PCIe Devices	1
Power Interface	6-pin
Dimensions	5.71" x 1.50" x 0.54"
Weight	0.09 lbs.
Supported Systems	
OS	Any OS with native PCIe support
Operating Environment	
Work Temp	+5°C ~ + 55°C
Storage Temp	-20°C ~ +80°C
Warranty	90 Days
Recommended HighPoint Adapters & Cabling Accessories	
Gen5	R1628A / R1624A / R7638D
	CIO8-CIO8-110 (MCIO 8i to MCIO 8i cable)
Gen4	R1528D
	8654-CIO8-110 (SFF-8654 to MCIO 8i cable)
Kit Contents	
Kit Contents	1x Expansion Board
	QIG

MCIO-PCIEX16-G5



HighPoint Headquarters
Phone: 1-408-942-5800
Fax: 1-408-942-5801
E-mail: sales@highpoint-tech.com
Website: www.highpoint-tech.com
Address: 41650 Christy St. Fremont, CA, 94538



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