



Serial Cables Introduces 3 New & Innovative Products for Gen4 PCIe/NVMe Enablement

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ENGLEWOOD, CO, UNITED STATES, January 25, 2021 /EINPresswire.com/ -- Serial Cables is proud to announce the addition of three exciting new products to their ever-expanding offerings in the Gen4 PCIe/NVMe ecosystem.

"Serial Cables has always been a pioneer in the enablement of extending PCIe/NVMe outside and throughout the server" says Paul J. Mutschler, CEO of Serial Cables. "We listen to our customers and make sure to develop the latest/newest technology products that are both leading edge and the most reliable connectivity solutions in our industry."

The PCIe Gen4 x16 Retimer Host Board is based on the PT4161L x16 PCIe 4.0 Smart Retimers from Astera Labs. This retimer allows you to expand your PCIe slot at a lower entry point than a traditional PCIe switch-based host bus adapter. It supports common clock (direct attach), hot-plug, SRNS and **SRIS, as well as **bifurcation as far as your BIOS will allow. It supports both host and target mode, allowing you countless ways to expand your PCIe/NVMe network/expansion setup. An onboard microUSB port is cleverly installed on this board for access to our own CLI for easily updating firmware, checking link status and dumping any error/register logs, etc.

<https://www.serialcables.com/product/pcie-gen4-x16-retimer-host-board/>

The new Gen4 PCIe x8 internal/external host card is based off of the Microchip PM40028 Switchtec PCIe switch and has both SFF-8654 (SlimSAS) and SFF-8674 (HD MiniSAS) receptacles. This is a unique design where there are dual x4 external connectors and 3, x4 internal connectors due to the Microchip switch having 28 Gen4 PCIe lanes. It supports PCI-Sig compliance as well as a direct attach mode/common clock mode. This host card can be configured in 1x8, 2x4 and 4x2 configurations (internal connectors can be 1x4 and 2x2) and supports both host and target modes. This host card, too, has a built-in microUSB connector and CLI for enabling/disabling RefClk and spread spectrum clocking along with the ability to show port status and link status and to update firmware in the field. We also give access to the I2C busses and are able to send reads and writes. We can even send a reset, per/port, through our CLI interface.

<https://www.serialcables.com/product/pcie-gen4-x8-sff-8644-sff-8674-host-card-with-microsemi-pm40028-pcie-switch/>

Lastly, the new Gen4 PCIe x16 external host card based off the Microchip PM40036 Switchtec PCIe switch. This is our second generation of Gen4 x16 external host card. This host card enables any user to extend the full bandwidth of a x16 Gen4 PCIe bus to either direct attached storage devices (where RefClk and PeRst is required) or another switched product such as a JBOF or expansion chassis (SRIS or SRNS) using industry standard and inexpensive HD MiniSAS cables. The host card can be configured 1x16, 2x8, 4x4 or 8x2 with simple dip switch changes making this host card very diverse in its usage. The host card supports both host and target modes. We have included the same built-in microUSB connector and intuitive CLI for enabling/disabling RefClk and spread spectrum clocking along with the ability to show port status and link status and to update firmware in the field the same as our other products. We also give access to the I2C busses and are able to send reads and writes and even resets as stated above.

**SRIS & bifurcation are dependent on if the system bios supports these features.

<https://www.serialcables.com/product/pcie-gen4-x16-sff-8644-host-card-with-microchip-switchtec-pcie-switch/>

About Serial Cables

Serial Cables is a provider of high speed storage cabling and interconnectivity solutions. Leading manufacturers depend on Serial Cables products to improve product quality and drive time-to-market requirements. Serial Cables solutions support a variety of standards, including PCI Express (PCIe), Non-Volatile Memory Express (NVMe), Serial Attached SCSI (SAS), and Serial ATA (SATA).

Serial Cables, LLC | 8811 American Way, Ste 110 | Englewood, CO | 80112
Cabling and interconnectivity Solutions for Storage and Data Centers

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Paul Mutschler
Serial Cables
+1 3038105110
[email us here](#)

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