serial CABLES

High-performance Cables, Adapters, HBAs, Enclosures, and Advanced Test Equipment

SerialCables specialises in high-performance connectivity and validation solutions for next-gen storage systems. From custom cables and adapters to host cards, enclosures and test fixtures, they deliver quality, innovation and rapid delivery to your design, validation and deployment workflows.

SerialCables Gen6 PCIe/CXL product suite covers cables, adapters, host cards, test fixtures, redrivers and retimers - enabling early access to the latest architectures.

SerialCables – PCIe® 6.0 Ready Solutions



The first PCIe Gen6 host card with Broadcom's Atlas III switch, enabling

- Early testing ahead of Gen6 system availability.
- Flexible Connectivity: 64 lanes at 64 GT/s across 2 front + 2 rear MCIO x8 and x16 edge connectors.
- Smart Control & Power: On-board mCPU with CLI monitoring, Supports Quarch PAM/PMM, ATX 3.0+/12 power

Industry First PCIe® 6 Host Card with Broadcom PEX-90144-A0-1 Atlas III Switch Chip



8-Bay PCIe® 6.0 Paddle Card with Quarch Power Analysis Module Integration

EDSFF x8 paddle card with an integrated Quarch Power Analysis Module (PAM) mezzanine, providing precise, real-time power and voltage monitoring for each drive slot without disrupting signal integrity.



Industry First Gen6 JBOF Solution for PCIe®, NVMe®, and CXL®

Gen6-Ready 8-bay JOBF Enclosure
The first passive 8-bay JBOF for PCIe®, NVMe®, and CXL®, purpose-built for high-speed validation workflows.

- Precision Engineering: Individual EDSFF paddle-card design with full x8 Gen6 MCIO connectivity, Quarch PAM integration and Sideband support (I^2C, I^3C, MCTP)
- Intelligent Control - mCPU-managed power, thermal, and telemetry system with per-slot monitoring, CLI Fan control, and Python/GUI automation tools

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GOPALAM EMBEDDED SYSTEMS

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Gen6 PCIe/CXL Redriver Adapter

Powered by Phison PS7161 (4-channel) redriver ICs, this Serial Cables adapter

- Enhances signal integrity and reach for Gen6 PCIe and CXL 2.0 applications.
- Advanced signal enhancement for all PCIe-deployed devices, including NAND flash, GPU, CPU, FPGA, ASIC, DPU, and other accelerator technologies
- High EQ boosting range up to 20dB @ 16GHz
- CXL 2.0 compatibility Low latency of 5ns
- Hot plug and bifurcation support

Fits all x16 E3 devices and works for PCIe/NVMe and CXL devices.

Gen6 PCIe/CXL rated x16 slot – x16 E3 EDSFF Vertical Adapter



Gen6 Cables & Adapters

SerialCables Gen6-rated interconnects are built to meet the demands of next-generation PCIe® 6, CXL® and NVMe® architectures — fully qualified for 64 GT/s, with rigorous SI-validation and custom options.

Gen6 Cables

- PCIe Gen6 *2 MCIO x8 (SFF-TA-1016) 74P to *1 CEM/AIC Goldfinger 164P 16X Plug
- Gen6 MCIO x16 (SFF-TA-1016) Str. 124P to MCIO x16 (SFF-TA-1016) Str. 124P, 30AWG
- Gen6 PCIe CEM x16 Goldfinger 164P Male to x16 CEM/AIC Slot Receptacle 164P Cable

Adapters

- Gen6 PCIe x1-x16, x4-x16, x8-x16 Reducer Adapter

Slot Adapters

- Gen6 PCIe/CXL rated x8 slot – x4 E1 EDSFF Vertical Adapter
- Gen6 PCIe/CXL rated x8 slot – x8 E3 EDSFF Vertical Adapter

Why Choose SerialCables?

Broad Gen6 Portfolio: From cables and adapters through host cards and enclosures. Address critical needs for early adoption, interoperability testing, signal integrity verification, power measurement, and error analysis at Gen6 speeds

- Depth of expertise in high-speed storage interconnect and test tools
- Custom capability: tailored lengths, connector options, over-moulding, release mechanisms, advanced SI simulation and automated production.

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