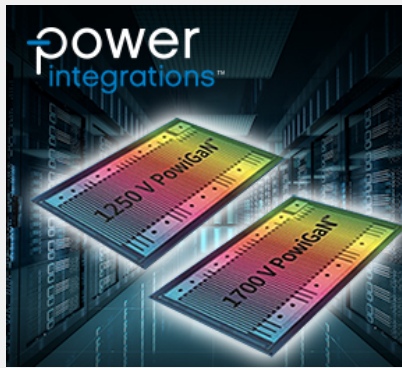


WHEN AI CLUSTERS REACH 1.6T: LOOK BEYOND GPUS - IP&E IS THE DATA CENTER’S “HIDDEN BUS”



In the 2026 AI data center landscape, attention remains fixed on GPU counts, HBM bandwidth, and liquid-cooling PUE. Yet when racks are ready for deployment, schedules are often constrained not by compute silicon, but by the seemingly inconspicuous cables, connectors, and retimers along the GPU-to-NIC/SuperNIC-to-switch link.

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Power Integrations

1250 V / 1700 V PowiGaN for 800 VDC AI Data Centers

This study presents how Power Integrations' 1250 V and 1700 V PowiGaN™ switches address the specific requirements of NVIDIA's 800 VDC AI data center architectures.

[Learn More](#)

Solutions



800G OSFP Active Electrical Cable Solution

This 800G Active Electrical Cable (AEC) solution is based on Marvell PAM4 DSP Retimer technology and is designed for short-reach, high-speed interconnects in AI servers, high-performance computing systems and cloud data centers.

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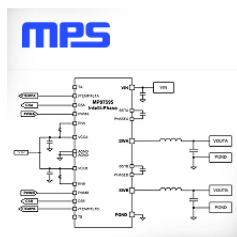
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Enabling 800G AI Fabrics with OSFP Connectivity



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Murata

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