Supercomputing Center Uses AI Server PAM4

The deployment of 224G/112G PAM4 SerDes technology is crucial for meeting the increasing demands of hyperscale connectivity, AI, and networking applications. Cadence"s ...

Systems operating at 224G PAM4 (Pulse Amplitude Modulation 4-level) are now a necessity for data centers to support data-hungry applications and workloads, as they provide a range of benefits ...

In addition to GPU performance, communication has become one of the bottlenecks in supercomputing. Therefore, AI servers have stringent requirements for underlying data transmission rates and latency, ...

Blog xAI"s Memphis Colossus: Anatomy of a 100,000 GPU Supercomputer xAI built 100,000 GPU Colossus cluster in 122 days, doubled to 200K in 92 more. 250MW power, Spectrum-X ...

Marvell has leveraged this deep expertise in PAM4 I/Os to deliver industry leading equalization performance on its 64G PAM4 I/O optimized for power, performance, and latency ...

Learn how to measure PAM4 signals for high-speed digital networking applications.

224 Gbps PAM 4 enables AI/ML with high-speed, low-latency data center connectivity and improved performance.

Asia Chinese Supercomputer Hacked: "FlamingChina" Exposes Classified Defense And Missile Data Authored by: Naman Trivedi Updated Apr 9, 2026, 00:00 IST A hacker group claims to ...

This highly configurable SerDes IP is ready for customer tape out, supports all leading edge NRZ and PAM4 data center standards and is silicon proven in 7, 6, 5, 4 and 3nm processes.

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