

Supermicro shows off a range of GPU-optimised server solution at the Nvidia GPU Technology Conference (GTC), including the flagship SYS-4027GR-TR 4U 8x GPU SuperServer.



The platform behind the Nvidia Iray Visual Computing Application (VCA), the SuperServer features airflow-optimised architecture with independent cooling zones and a side-by-side component layout. According to the company this eliminates CPU/GPU preheat, enabling maximum performance from eight 300W GPUs and two 150W CPUs.

Further energy efficiency is attained via power delivery sub-systems armed with redundant 1600W high efficiency (94%) power supplies.

Also seen at the show is the 4U FatTwin-- a system featuring 2 side-by-side dual-processor nodes each supporting 6 GPUs and 2 additional PCI-E 3.0 (x8) slots for high-bandwidth I/O expansion.

"Innovations in our new 4U single node server architecture enables efficient, reliable performance of eight 300W GPUs and dual 150W CPUs in high density compute clusters," the company says. "Dual node 4U 12x GPU FatTwin systems provide even higher density supporting six 300W GPUs paired with dual 130W CPUs per node."

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