

Hyperconverged AI Server Price Inquiry



Article Overview

A hyperconverged AI server can cost anywhere from \$100,000 to over \$400,000 for an 8-GPU cluster, with larger deployments reaching millions depending on configuration and operational requirements.

Hardware Costs

The primary cost driver is the GPU selection. High-performance GPUs like the NVIDIA H100 cost \$30,000–\$40,000 each, while A100 GPUs range from \$10,000–\$15,000. An 8-GPU H100 cluster alone can cost \$240,000–\$320,000, excluding networking, storage, and server chassis . Additional hardware costs include:

- Networking: InfiniBand interfaces (\$1,000–\$3,000 per GPU) and switches (\$5,000–\$15,000)
- Cabling and installation: \$2,000–\$5,000
- Server chassis and cooling: High-density 8U servers with advanced cooling can add tens of thousands of dollars

Operational Costs

Operating a hyperconverged AI server involves power, cooling, and personnel:

- Power consumption: Eight H100 GPUs draw ~5.6 kW continuously. At \$0.09/kWh, this equates to ~\$44,000/year assuming 24/7 operation .
- Personnel: Infrastructure engineers for setup and maintenance can cost \$120,000–\$180,000 annually, with setup requiring 2–4 weeks of senior engineer tim...

Article Content

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Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://watermanfinance.co.za>

Email: sales@watermanfinance.co.za

Phone: +49-176-8294713

Address: Neue Mainzer Str. 66-68, 60311 Frankfurt am Main, Germany

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