

H100 optical module cost



Overview

H100 80 GB SXM modules are priced around \$35,000–\$40,000. A fully configured server with eight H100 GPUs—such as the NVIDIA DGX H100—can exceed \$300k, and some resellers list individual H100 boards for up to \$120k during shortages. Leading models like the NVIDIA H100 (Hopper architecture, 80 GB HBM3) typically sell in the \$27K–\$40K range per GPU, with multi-GPU boards costing hundreds of thousands of dollars (). If your team has tuned inference pipelines for. The H100's cutting-edge hardware comes with a significant cost. Deciding whether to buy or rent depends on your budget, utilization and scaling needs. The SXM5 variant delivers 989 TFLOPS in FP16, 3,350 GB/s of HBM3 memory bandwidth, and 700W TDP across 80GB of on-chip memory. 2 New H100 SXM5 units cost \$25,000 to \$40,000 per GPU as of Q1. As of March 2026, the NVIDIA H100 GPU price for a single 80GB PCIe unit starts at approximately \$25,000 USD and climbs to \$30,000–\$33,000 depending on vendor, region, and availability; the higher-bandwidth SXM5 variant typically costs \$35,000–\$40,000+ per GPU 1. Cloud GPU Pricing: Hourly rates range from \$2. Infrastructure Costs: Consider additional expenses like power, cooling.



Article Content

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NVIDIA H100 Pricing (May 2026): Cheapest Cloud GPU

Compare NVIDIA H100 80GB GPU pricing across AWS, Azure, Google Cloud, and specialized providers. Find the cheapest cloud rates for your AI workloads.

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Learn about the cost of Nvidia H100 GPUs and explore top GPU-on-demand platforms for accessing this powerful hardware.

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NVIDIA H100 80GB Price in 2025 The cost of the NVIDIA H100 80GB GPU in 2025 varies depending on whether you buy new, through OEMs, or via secondary

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H100 GPU Cost and Pricing Updates from Global Vendors

Let's get into what everyone wants to know—how much does the H100 actually cost? The answer: it varies widely depending on vendor, availability, form factor, and additional services included.

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NVIDIA H100: Price, Specs, Benchmarks & Decision Guide

According to industry pricing guides and reseller listings: H100 80 GB PCIe cards cost \$25,000–\$30,000 each. H100 80 GB SXM modules are priced

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See the Updated NVIDIA H100 GPU Price and Availability Guide

Let's not forget: The H100 draws up to 700 watts per module under load. That means high-end liquid cooling and robust data center support are required. These operational costs are baked into both on

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How Much Does an NVIDIA H100 GPU Cost in 2026?

NVIDIA H100 GPU price ranges from \$25,000-\$40,000+ per unit (PCIe/SXM), with cloud rental at \$1.49-\$6.98/hr. This guide breaks down real-world costs, configuration trade-offs, and when

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NVIDIA H100 Price Guide 2026: GPU Costs, Cloud Pricing & Buy vs

NVIDIA H100 price starts at \$25,000 to buy or \$2.69/hour to rent. Compare H100 cloud GPU pricing from Jarvislabs, Lambda Labs, RunPod & more. Updated March 2026.

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100,000 H100 Clusters: Power, Network Topology, Ethernet vs InfiniBand, Reliability, Failures, Checkpointing Frontier Model Scaling Challenges and Requirements, Fault Recovery

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AI Optical Interconnect

DGX H100 Network Architecture and ATOP Module Mapping H100 NDR400 compute fabric and storage/management network mapping.

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How to Reduce Optical Module Costs Without Sacrificing Performance In today's rapidly evolving network environments, reducing operational costs is a top priority for data centers, telecom

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What is the NVIDIA H100 Price? A Comprehensive 2025 Overview

The NVIDIA H100 GPU is a state-of-the-art solution for AI and HPC workloads, commanding a premium price starting at approximately \$25,000 for the PCIe variant and reaching up to \$40,000 or more for

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Cloud GPU Pricing Tracker — Compare AWS, Azure, GCP,

Compare GPU instance pricing across AWS, Azure, GCP, CoreWeave, Lambda, and RunPod. H100, H200, B200 on-demand, reserved, and spot rates in one view.

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NVIDIA AI GPU Prices: H100 (\$27K-\$40K) & H200

NVIDIA H100 costs \$25K-\$40K, B200 \$30K-\$50K, DGX B300 \$300-350K. Compare H100, H200, B200, B300 purchase vs. cloud rental costs with full 2026 pricing

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NVIDIA GB200 NVL72 Guide: Specs, Pricing

GB200 NVL72: 72 B200 GPUs, 13.4 TB unified memory, 1.44 exaflops per rack. Full specs, cloud pricing, and when rack-scale beats 8x B200

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H100 GPU Price Guide 2025: Real Costs, Market Rates

Discover the H100 GPU Price Guide 2025, including its base price, features, and procurement strategies for organizations.

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NVIDIA H100 GPU Price-Latest Cost, Specs, and Availability

The NVIDIA H100 GPU, the latest high-performance GPU for AI and HPC workloads, has a base purchase price ranging approximately from \$25,000 to \$40,000 in 2025 depending on the model and

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NVIDIA H100: Price, Specs, Benchmarks & Decision Guide

Real-world pricing for buying or renting an H100, plus hidden infrastructure costs. Benchmarks and use cases showing where the H100 shines

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Network Computing: How To Cluster 128 Units H100

Optical module usage: A 400 Gbit/s optical module is required for the downstream port of a Leaf switch. The required value is 32 x 8 x 4.

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How Many Optical Modules Are Needed for One H100?

Currently, the ratio of GPUs to optical modules is approximately 1:2.5—meaning that, on average, for one Nvidia H100 GPU, two-and-a-half 800G optical modules are required for training activities within

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How much is an Nvidia H100?

When purchasing directly from Nvidia, the H100 GPU is estimated to cost around \$25,000 per GPU. However, it's important to note that these prices

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H100 SXM GPU Pricing & Specs (Compare 10

Compare H100 SXM GPU prices across 10+ cloud providers. 80GB VRAM, Hopper architecture. Find the best rates for AI training and inference.

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NVIDIA H100 GPU: Price, Full Specs, and Cloud Rates 2026

NVIDIA H100: 989 TFLOPS FP16, 80GB HBM3, \$25K to \$40K to buy, from \$1.38/hr to rent as of Q1 2026. Full specs, A100 vs H100 comparison, and cloud pricing guide.

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H100 Rental Prices Compared: \$1.49-\$6.98/hr Across

Academia & industry narratives at the time noted that while H100 power justified its cost-performance, cost remained a major barrier for widespread use. However,

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NVIDIA H100 GPU Review 2025

Learn how NVIDIA H100 GPU changes AI and HPC with its Hopper design, 4th-gen Tensor Cores, and FP8 precision.

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How much does an NVIDIA H100 GPU cost?

Compare H100 GPU pricing across top cloud platforms. Learn how Northflank delivers fully bundled, ready-to-run H100 instances with no quotas, fast

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The NVIDIA H100 is an integral part of the NVIDIA data center platform. Built for AI, HPC, and data analytics, the platform accelerates over 3,000 applications, and is available everywhere from data

Aug 04, 2025

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