

# Which optical module does the H100 use

Built with 80 billion transistors using a cutting-edge TSMC 4N process custom tailored for NVIDIA's accelerated compute needs, H100 features major advances to accelerate AI, HPC, memory ...

In summary, the network architecture and optical module requirements are crucial considerations for the NVIDIA DGX H100 server cluster. The compute network utilizes a two-layer switch architecture with ...

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.

DGX H100/H200 is a complex system, integrating a large number of cutting-edge components with specific startup and shutdown sequences. Observe the following startup and shutdown instructions.

For a 4SU cluster, assuming an all-optical network and a three-layer Fat-Tree architecture, 400G optical modules are used between servers and leaf switches, while 800G optical ...

Each DGX H100 is connected to eight Leaf switches. Each Leaf switch has 16 uplink ports connected to 16 Spine switches. Optical module usage: A 400 Gbit/s optical module is required for the ...

In this article, we delve into these factors and explore how they influence the exact quantity of optical modules needed, particularly focusing on the configurations involving A100 and ...

The NVIDIA H100 Tensor Core GPU delivers exceptional performance, scalability, and security for every workload. H100 uses breakthrough innovations based on the NVIDIA Hopper™ architecture to ...

This makes the H100 the workhorse for most AI projects nearly 4 years after its release. Like any high-tech hardware, the H100 is complex. As if that wasn't enough, the H100 is the name of ...

NVIDIA H100 GPUs feature fourth-generation Tensor Cores and the Transformer Engine with FP8 precision, further extending NVIDIA's market-leading AI leadership with up to 4X faster training and ...

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