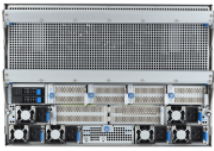
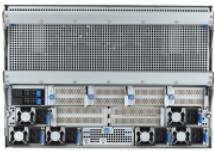
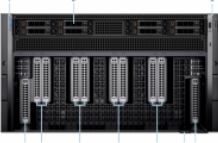
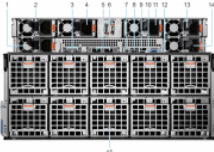
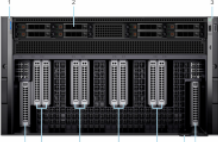
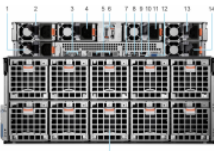
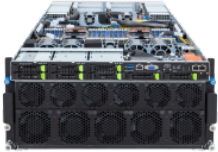
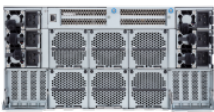
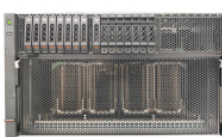
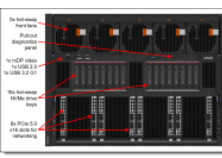
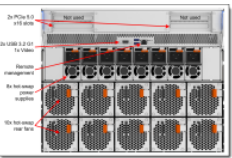
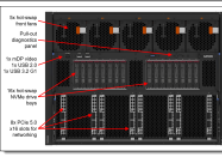
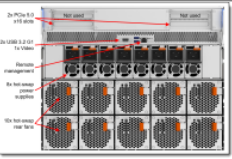
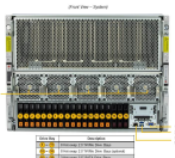
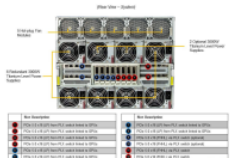
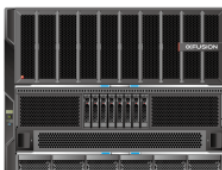
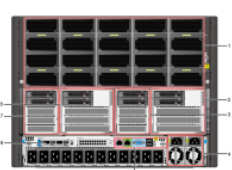
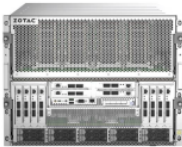


# NVIDIA H100 HGX server CheatSheet

[datasheet](#)

| Vendor   | Model                               | CPU                       | PCIe slots                                                         | M2                  | LOM                 | Hot Swap FANs | Size | PSU         | NVIDIA Qualified                       | Front                                                                                 | Rear                                                                                  |
|----------|-------------------------------------|---------------------------|--------------------------------------------------------------------|---------------------|---------------------|---------------|------|-------------|----------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| AIVRES   | <a href="#">KR6288X2</a>            | Intel Sapphire Rapids (2) | 10 x16 или 8x16 + 4x8                                              |                     |                     |               |      |             | HGX H100 8 GPU 80GB - Qualified        |                                                                                       |                                                                                       |
| AIVRES   | <a href="#">KR6288E2</a>            | AMD Genoa (2)             | 10 x16 или 8x16 + 4x8                                              |                     |                     |               |      |             | HGX H100 8 GPU 80GB - Qualified        |                                                                                       |                                                                                       |
| ASUS     | <a href="#">ESC-N8-E11</a>          | Intel Sapphire Rapids (2) | 8x PCIe5 x16 LP 2x PCIe5 x16 FHHL 2x 1x PCIe5 x16 x8 FHHL (option) | -                   | 2 x 10Gb/s BASE-T   | 10            | 7U   | 4+2 x 3000W | HGX H100 8 GPU 80GB - NVIDIA-Certified |    |    |
| ASUS     | <a href="#">ESC-N8-E12</a>          | AMD Genoa (2)             |                                                                    |                     |                     |               |      |             | HGX H100 8 GPU 80GB - NVIDIA-Certified |    |    |
| CISCO    | UCS C885A M8                        | AMD Genoa (2)             |                                                                    |                     |                     |               |      |             | HGX H100 8 GPU 80GB - Qualified        |                                                                                       |                                                                                       |
| DELL     | <a href="#">xE9680</a>              | Intel Emerald Rapids (2)  |                                                                    |                     |                     |               |      |             | HGX H100 8 GPU 80GB - NVIDIA-Certified |  |  |
| DELL     | <a href="#">xE9680</a>              | Intel Sapphire Rapids (2) | 8x PCIe5 x16 FHHL 2x PCIe5 x16 FHHL 1x OCP 3.0 x8                  | HWRAID 2 x M.2 SSDs | 2 x 1 GbE           | 10            | 6U   | 6 x 2800W   | HGX H100 8 GPU 80GB - NVIDIA-Certified |  |  |
| Gigabyte | G593-ZD2-A                          | AMD Genoa (2)             |                                                                    |                     |                     |               |      |             | HGX H100 8 GPU 80GB - NVIDIA-Certified |                                                                                       |                                                                                       |
| Gigabyte | G593-ZD2-L                          | AMD Genoa (2)             |                                                                    |                     |                     |               |      |             | HGX H100 8 GPU 80GB - Qualified        |                                                                                       |                                                                                       |
| Gigabyte | G593-ZD1-A                          | AMD Genoa (2)             |                                                                    |                     |                     |               |      |             | HGX H100 8 GPU 80GB - Qualified        |                                                                                       |                                                                                       |
| Gigabyte | G593-SD2-L                          | Intel Sapphire Rapids (2) |                                                                    |                     |                     |               |      |             | HGX H100 8 GPU 80GB - Qualified        |                                                                                       |                                                                                       |
| Gigabyte | <a href="#">G593-SD1 / G593-SD2</a> | Intel Sapphire Rapids (2) | 8x PCIe5 x16 LP 2x PCIe5 x16 FHHL 2x PCIe5 x16 FHHL (option)       | -                   | 2 x 10Gb/s 6 BASE-T |               | 5U   | 6 x 3000W   | HGX H100 8 GPU 80GB - NVIDIA-Certified |  |  |
| Gigabyte | G593-SD1-A                          | Intel Sapphire Rapids (2) |                                                                    |                     |                     |               |      |             | HGX H100 8 GPU 80GB - NVIDIA-Certified |                                                                                       |                                                                                       |

| Vendor   | Model                                                                    | CPU                       | PCIe slots                                                                                                              | M2                 | LOM                 | Hot Swap FANS | Size | PSU                               | NVIDIA Qualified                       | Front                                                                                 | Rear                                                                                  |
|----------|--------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------|---------------|------|-----------------------------------|----------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Gigabyte | G593-SD0-L                                                               | Intel Sapphire Rapids (2) |                                                                                                                         |                    |                     |               |      |                                   | HGX H100 8 GPU 80GB - Qualified        |                                                                                       |                                                                                       |
| Gigabyte | G593-SD0-A                                                               | Intel Sapphire Rapids (2) |                                                                                                                         |                    |                     |               |      |                                   | HGX H100 8 GPU 80GB - NVIDIA-Certified |                                                                                       |                                                                                       |
| HPE      | Cray XD670                                                               | Intel Sapphire Rapids (2) | 8x PCIe5 x16 LP<br>4x PCIe5 x16 LP<br>2x PCIe for M.2. Adapter                                                          | 4x M2 (NVMe)       | 2 x 10Gb/s 6 BASE-T |               | 5U   | 6 x 3000W                         | HGX H100 8 GPU 80GB - NVIDIA-Certified |     |    |
| Inspur   | NF5688G7                                                                 |                           | 8x PCIe5 x16 LP<br>2x PCIe5 x16 FHHL<br>2x PCIe5 x16 FHHL (option)<br>1x OCP 3.0 x16                                    | 2x M.2 (NVMe/SATA) |                     | 6             | 6U   | 2 x 12V 3200W<br>6 x 54V 2700W    |                                        |     |    |
| Lenovo   | SR680a V3                                                                | Intel Sapphire Rapids (2) | 8x PCIe5 x16 FHHL<br>2x PCIe5 x16 FHHL                                                                                  | 2x M.2 (NVMe)      |                     | 15            | 8U   | 8 x 3000W                         | HGX H100 8 GPU 80GB - NVIDIA-Certified |    |   |
| Lenovo   | SR680a V3                                                                | AMD Genoa (2)             |                                                                                                                         |                    |                     |               |      |                                   | HGX H100 8 GPU 80GB - Qualified        |   |  |
| Quanta   | QuantaGrid D74A-7U                                                       | AMD Genoa (2)             |                                                                                                                         |                    |                     |               |      |                                   | HGX H100 8 GPU 80GB - Qualified        |                                                                                       |                                                                                       |
| Quanta   | QuantaGrid D74H-7U                                                       | Intel Sapphire Rapids (2) |                                                                                                                         |                    |                     |               |      |                                   | HGX H100 8 GPU 80GB - NVIDIA-Certified |                                                                                       |                                                                                       |
| SMC      | SYS-821GE-TNHR<br>CAS-IH828<br>SYS-421GE-TNHR2-LCC<br>SYS-821GE-TNHR-LCC | Intel Sapphire Rapids (2) | 8x PCIe5 x16 LP<br>2x PCIe5 x16 FHHL<br>2x PCIe5 x16 FHHL (option)                                                      | 2x M.2 (NVMe)      |                     | 10            | 8U   | 6 x 3000W<br>6+2 x 3000W (option) | HGX H100 8 GPU 80GB - NVIDIA-Certified |  |  |
| SMC      | AS-4125GS-TNHT2-LCC<br>AS-8125GS-TNHR                                    | AMD Genoa (2)             |                                                                                                                         |                    |                     |               |      |                                   | HGX H100 8 GPU 80GB - NVIDIA-Certified |                                                                                       |                                                                                       |
| Wistron  | Miramar-ICEMan                                                           | AMD Genoa (2)             |                                                                                                                         |                    |                     |               |      |                                   | HGX H100 8 GPU 80GB - Qualified        |                                                                                       |                                                                                       |
| xFusion  | G8600 V7                                                                 |                           | 6xPCIe 5.0 x16 HHHL (option)<br>6xPCIe 5.0 x16 FHHL (option)<br>1xPCIe 4.0 x8 HHHL only RAID (option)<br>1x OCP 3.0 x16 | 2x M.2 (SATA)      |                     | 10            | 8U   | 2 x 12V 3200W<br>6 x 54V 2700W    |                                        |   |  |

| Vendor | Model                      | CPU | PCIe slots         | M2              | LOM                              | Hot Swap FANs | Size | PSU                            | NVIDIA Qualified | Front                                                                               | Rear                                                                                |
|--------|----------------------------|-----|--------------------|-----------------|----------------------------------|---------------|------|--------------------------------|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| ZOTAC  | <a href="#">ZRS-3290H1</a> |     | 12x PCIe5 x16 FHHL | 1 x SATA / NVMe | 2 x 1Gbps Intel LAN ports (I350) | 15            | 8U   | 2 x 2700W 12V<br>6 x 3200W 54V | -                |  |  |

From:

<https://micronode.ru/> - **micronode.ru**

Permanent link:

[https://micronode.ru/enterprise/nvidia/description/hopper/hgx\\_server\\_h100](https://micronode.ru/enterprise/nvidia/description/hopper/hgx_server_h100)

Last update:

**2025/04/17 14:20**

