

TrendForce : NVIDIA Plans to Launch GB300 in 2Q25; GB300 Racks to Ramp Up in 4Q25 as Supply Chain Requires Extra Time on Testing and Qualifications for Higher Specifications

NVIDIA GB Rack Models Expected to Ramp up Sequentially; Annual Shipment Target Projected at Approximately XXXXK Racks

As indicated by TrendForce's latest survey on the supply chain, NVIDIA has started ramping up its new Blackwell platform since 1Q25, which now accounts for XXXX% of overall high-end GPU platforms. The Hopper platform currently serves as the mainstream variation of shipment, with HGX AI servers configured with H200 occupying the majority. Additionally, demand for the China-exclusive H20 is seeing a larger increase in demand recently under the actuation of DeepSeek.

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GB200 Occupies Majority of Annual Shipment for 2025; GB300 Rack Systems to Ramp Up in 4Q25

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Progress and Projected Quarterly Shipment Ratio of GB200 & GB300 Chips and Systems in 2025



Source: TrendForce, Mar. 2025

NVIDIA Poised to Launch GB300 in 2Q25 with Further Improvement in High-Speed Communication Networking and Power and Liquid-Cooling Designs

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Comparison of Key Specifications for GB200 and GB300

Feature / Aspect	GB200	GB300	Notes
Configuration	2x GB200 per rack	2x GB300 per rack	Both racks are 2U high
Processing	2x NVIDIA GB200 NVL72	2x NVIDIA GB300 NVL72	Both racks are 2U high
Memory	2x 128GB HBM3E	2x 128GB HBM3E	Both racks are 2U high
Power	2x 1200W	2x 1200W	Both racks are 2U high
Cooling	2x 1200W	2x 1200W	Both racks are 2U high

Source: TrendForce, Mar. 2025

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North American Hyper CSPs to Drive Demand for GB Racks, but Further Observations Needed on Actual System Shipments Based on Supply and Demand Conditions

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