

# What Sets Leading Companies Apart in the Artificial Intelligence (AI) Data Center Graphics Processing Units(GPUs) Market

*TBRC's Artificial Intelligence (AI) Data Center Graphics Processing Units (GPUs) Market Report 2026 – Market Size, Trends, And Global Forecast 2026-2035*

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/EINPresswire.com/ -- "[The artificial intelligence \(AI\) data center graphics processing units \(GPUs\) market](#) is

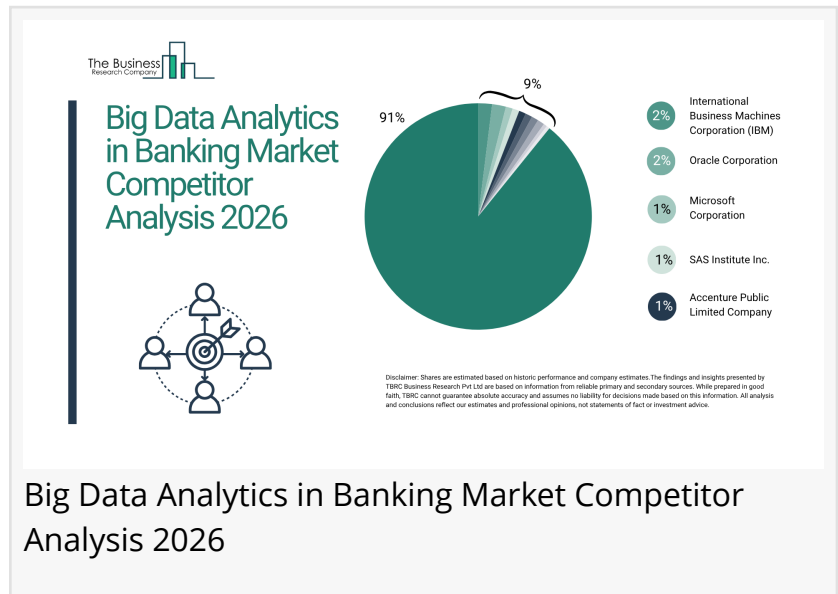
dominated by a mix of global semiconductor manufacturers, high-performance computing solution providers, and specialized AI hardware innovators. Companies are focusing on advanced GPU architectures, high-bandwidth memory integration, energy-efficient chip designs, and scalable data center acceleration platforms to

strengthen market presence and maintain stringent performance and thermal efficiency standards. Emphasis on AI workload optimization, cloud and hyperscale data center demand, and integration of parallel computing and accelerator ecosystems remains central to competitive positioning. Understanding the competitive landscape is essential for stakeholders seeking growth opportunities, technological innovation, and strategic partnerships within the rapidly evolving AI data center GPUs sector.

### Which Market Player Is Leading The Artificial Intelligence (AI) Data Center Graphics Processing Units (GPUs) Market?

•According to our research, NVIDIA Corporation led global sales in 2024 with a 10% market share. The data center GPU division of the company, which is directly involved in the artificial intelligence (AI) data center graphics processing units (GPUs) market, provides a wide range of high-performance GPU accelerators, AI computing platforms, and data center-scale processing solutions that support large-scale AI training, inference workloads, and hyperscale cloud computing environments.

### Who Are The Major Players In The Artificial Intelligence (AI) Data Center Graphics Processing



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## Units (GPUs) Market?

Major companies operating in the artificial intelligence (AI) data center graphics processing units (GPUs) market are NVIDIA Corporation, Advanced Micro Devices Inc., Intel Corporation, Huawei Technologies Co. Ltd., Microsoft Corporation, Alphabet Inc. (Google LLC), Broadcom Inc., Oracle Corporation, Qualcomm Incorporated, Inspur Electronic Information Industry Co. Ltd., Changsha Jingjia Microelectronics Co. Ltd., VVDN Technologies Pvt. Ltd., EdgeCortex Inc., Tenstorrent Inc., GIGA-BYTE Technology Co. Ltd., Cerebras Systems Inc., EXXACT Corporation, Tencent Holdings Limited, Lambda Inc. (Lambda Labs), and Etched.ai Inc.

## How Concentrated Is The Artificial Intelligence (AI) Data Center Graphics Processing Units (GPUs) Market?

•The market is highly concentrated, with the top 10 players accounting for 60% of total market revenue in 2024. This level of concentration reflects high technological and capital entry barriers, driven by advanced semiconductor fabrication requirements, rapid innovation cycles in GPU architecture, strong intellectual property protection, significant R&D investments, and the need for high-performance, energy-efficient computing solutions in large-scale AI and hyperscale data center environments. Leading players such as NVIDIA Corporation, Advanced Micro Devices Inc., Intel Corporation, Huawei Technologies Co. Ltd., Microsoft Corporation, Alphabet Inc. (Google LLC), Broadcom Inc., Oracle Corporation, Qualcomm Incorporated, and Inspur Electronic Information Industry Co. Ltd. hold notable market shares through diversified GPU and AI hardware portfolios, strong semiconductor design capabilities, global cloud and data center partnerships, and continuous innovation in high-performance computing and AI acceleration technologies. As demand for advanced AI training and inference workloads, hyperscale data center expansion, and energy-efficient GPU architectures grows, strategic collaborations, product innovation, and regional expansion are expected to strengthen the competitive positioning of these leading companies in the market.

•Leading companies include:

- oNVIDIA Corporation (10%)
- oAdvanced Micro Devices Inc. (8%)
- oIntel Corporation (8%)
- oHuawei Technologies Co. Ltd. (8%)
- oMicrosoft Corporation (6%)
- oAlphabet Inc. (Google LLC) (6%)
- oBroadcom Inc. (5%)
- oOracle Corporation (4%)
- oQualcomm Incorporated (3%)
- oInspur Electronic Information Industry Co. Ltd. (1%)

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Who Are The Key Raw Material Suppliers In The Artificial Intelligence (AI) Data Center Graphics Processing Units (GPUs) Market?

- Major raw material suppliers in the artificial intelligence (AI) data center graphics processing units (GPUs) market include NVIDIA Corporation, Advanced Micro Devices Inc., Intel Corporation, Taiwan Semiconductor Manufacturing Company, Samsung Electronics Co. Ltd., SK Hynix Inc., Micron Technology Inc., Broadcom Inc., Marvell Technology Inc., ASML Holding N.V., Applied Materials Inc., Lam Research Corporation, KLA Corporation, Texas Instruments Incorporated, Analog Devices Inc., Qualcomm Incorporated, MediaTek Inc., Arm Holdings plc, Infineon Technologies AG, STMicroelectronics N.V., GlobalFoundries Inc., United Microelectronics Corporation, Powerchip Semiconductor Manufacturing Corporation, Amkor Technology Inc., and ASE Technology Holding Co. Ltd.

Who Are The Major Wholesalers Or Distributors In The Artificial Intelligence (AI) Data Center Graphics Processing Units (GPUs) Market?

- Major wholesalers or distributors in the artificial intelligence (AI) data center graphics processing units (GPUs) market include Ingram Micro Inc., TD SYNEX Corporation, Arrow Electronics Inc., Avnet Inc., ScanSource Inc., Westcon-Comstor, ALSO Holding AG, Esprinet S.p.A., Bechtle AG, CDW Corporation, Insight Enterprises Inc., Redington Limited, Macnica Inc., Exclusive Networks SA, EET Group A/S, ASBIS Enterprises PLC, Logicom Public Limited, Mindware FZ LLC, D&H Distributing Company, Future Electronics Inc., Digi-Key Electronics, Mouser Electronics Inc., RS Group plc, and Farnell.

Who Are The Major End Users Of The Artificial Intelligence (AI) Data Center Graphics Processing Units (GPUs) Market?

- Major end users in the artificial intelligence (AI) data center graphics processing units (GPUs) market include Microsoft Corporation, Amazon Web Services Inc., Google LLC, Meta Platforms Inc., Oracle Corporation, IBM Corporation, OpenAI, Tesla Inc., Baidu Inc., Alibaba Cloud, Tencent Holdings Limited, Apple Inc., Dell Technologies Inc., Hewlett Packard Enterprise Company, Cisco Systems Inc., Equinix Inc., Digital Realty Trust Inc., CoreWeave Inc., Lambda Labs Inc., ByteDance Ltd., Salesforce Inc., SAP SE, and Samsung SDS Co. Ltd.

What Are The Major Competitive Trends In The Market?

- Hybrid-cloud AI supercomputing infrastructure is transforming the artificial intelligence (AI) data center graphics processing units (GPUs) market by enabling scalable compute performance, accelerating complex AI workloads, and supporting advanced data-driven applications across industries.

- Example: In March 2026, F. Hoffmann-La Roche Ltd launched an NVIDIA-powered AI factory featuring over 2,176 on-premises GPUs and a hybrid-cloud infrastructure exceeding 3,500 GPUs.

- Its high-performance GPU clusters, hybrid-cloud scalability, and integration with advanced AI ecosystems enable faster model training, support large-scale simulations and digital twins, and enhance real-time decision-making, accelerating innovation in healthcare and strengthening

demand for AI data center GPUs.

Which Strategies Are Companies Adopting To Stay Ahead?

- Unified CPU-GPU Architectures Enabling Exascale AI Computing and High-Performance Workloads
- Expanded GPU Accelerator Ecosystems Driving Hyperscale AI Training and Inference
- Energy-Efficient AI Infrastructure Enhancing Data Center Performance and Cost Optimization
- Specialized Inference GPU Platforms Advancing Generative AI and Large Language Model Workloads

Access The Detailed Artificial Intelligence (AI) Data Center Graphics Processing Units (GPUs) Market Report Here

[https://www.thebusinessresearchcompany.com/report/artificial-intelligence-ai-data-center-graphics-processing-units-gpus-market-report?utm\\_source=EINPresswire&utm\\_medium=Paid&utm\\_campaign=Apr\\_PR](https://www.thebusinessresearchcompany.com/report/artificial-intelligence-ai-data-center-graphics-processing-units-gpus-market-report?utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Apr_PR)

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