

Core and Edge Computing Platforms

AN IDC CONTINUOUS INTELLIGENCE SERVICE

IDC's *Core and Edge Computing Platforms* service provides continuous market data and analysis of the worldwide hardware computing platforms markets. These include network-centric platforms (aka small [pod], mid [server], and large [large systems]) form factors deployed in the datacenter and in off-datacenter locations (including edge) and in public cloud, private cloud, and noncloud infrastructure. The infrastructure industry is in a state of transition, driven by disruptive trends such as cloud, hyperscale, artificial intelligence, silicon heterogeneity, blockchain, social media, and mobility. This service provides research and analysis on how these trends are reshaping the development and evolution of new and existing systems, platforms, and technologies markets. This service also analyzes vendor trends and strategies.

Markets and Subjects Analyzed

- Worldwide server market share, forecasts, and installed base
- High-availability (HA) and fault-tolerant systems
- Scale-up and scale-out computing architecture
- Modular systems
- Edge computing infrastructure (gateways and systems)
- Next-generation computing platforms
- Vendor performance, strategies, and portfolios
- Accelerated computing, including control plane offload mechanisms
- Liquid cooling technologies and systems
- Form factor trends: small (pod), mid (server) and large (large systems)

Core Research

- Worldwide Server Market Shares and Forecast
- Highly Available Server Market Forecast
- Worldwide Server Installed Base Forecast
- Silicon Heterogeneity and Impact on Computing Platforms Market
- Accelerated Computing Market Trends and Outlook (Workload and Function Offload)
- Edge Computing Infrastructure Forecast
- Fabrics and Interconnects and Associated Standards
- End-User Adoption Trends and Sentiment

In addition to the insight provided in this service, IDC may conduct research on specific topics or emerging market segments via research offerings that require additional IDC funding and client investment. To learn more about the analysts and published research, please visit: [Core and Edge Computing Platforms](#).

Key Questions Answered

1. How will public and private clouds, service providers, and hyperscalers shape the server market in the future?
2. How will emerging silicon technologies impact the industry?
3. How will advances in multicore processors push the x86 server upmarket to address high-end workloads?
4. How will accelerated computing change the server industry?
5. How will edge computing infrastructure evolve in the connected world?

Companies Analyzed

IDC's *Core and Edge Computing Platforms* reviews the strategies, market positioning, and future direction of providers in this market including:

ADLINK, Advantech, AIC, Altera, Amazon Web Services, AMD, Ampere, Apple, ARM, ASRock Rack, Broadcom, Canonical, Cavium, Celestica, Cisco, Citrix, Compal, Cray, Dell, Docker, Ericsson, Facebook, Foxconn, Fujitsu, GIGABYTE, Google, H3C, Hewlett Packard Enterprise, Hitachi, Huawei, IBM, Inspur, Intel, Inventec, Lenovo, LSI, Marvell, Micro Focus, Micron, Microsemi, Microsoft,

MiTAC, NEC, NetApp, Nokia, Nutanix, NVIDIA, Oracle, Pegatron, Qualcomm, Quanta, Rackspace, Red Hat, Samsung, SanDisk, SAP, Seagate, SK hynix, Stratus, Sugon (Dawning), Supermicro, SUSE, Symantec, SYNnex-Hyve, Texas Instruments, Unisys, VMware, Western Digital, Wistron-Wiwynn, Xilinx, ZTE, and ZT Systems.