

# Global Data Center Storage All-Flash Arrays (AFA) Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Data Center Storage All-Flash Arrays (AFA) market size is expected to reach \$ 128880 million by 2032, rising at a market growth of 8.8% CAGR during the forecast period (2026-2032).

Data Center Storage All-Flash Arrays (AFA) are high-performance storage systems that use only solid-state drives (SSDs), typically NAND flash-based, to deliver ultra-low latency, high input/output operations per second (IOPS), enhanced reliability, and scalable data management capabilities for enterprise, cloud, and hyperscale data center environments, supporting mission-critical workloads such as databases, virtualization, artificial intelligence, and real-time analytics.

The all-flash array industry chain begins upstream with semiconductor manufacturers producing NAND flash memory, SSD controllers, DRAM cache chips, and high-speed interface components, along with suppliers of power modules, enclosures, cooling systems, and networking hardware, continues midstream with storage system vendors and OEMs that design integrated hardware and software platforms incorporating data management, virtualization, encryption, and performance optimization technologies, and extends downstream to hyperscale cloud providers, enterprises, telecom operators, and data center operators that deploy these systems for mission-critical workloads, supported by channel partners, system integrators, and managed service providers delivering installation, maintenance, upgrades, and lifecycle management services.

Major ongoing and planned projects driving all-flash array demand include hyperscale data center expansions by global cloud providers, AI-optimized infrastructure deployments, edge computing data center rollouts, modernization of enterprise IT systems from hybrid to full flash architectures, government digital transformation

initiatives, 5G network infrastructure upgrades, and large-scale green data center construction projects focused on energy efficiency and carbon reduction, particularly across North America, Europe, and Asia-Pacific regions, where rapid growth in artificial intelligence workloads, big data processing, and cloud-native applications is accelerating investments in high-performance, scalable, and software-defined all-flash storage systems.

2025 Global Market Sales Volume: 4.0 Million Units. Average Global Market Price: USD 18,000 per Unit. Market Average Gross Profit Margin: 35%.

This report studies the global Data Center Storage All-Flash Arrays (AFA) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Data Center Storage All-Flash Arrays (AFA) and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Data Center Storage All-Flash Arrays (AFA) that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Data Center Storage All-Flash Arrays (AFA) total production and demand, 2021-2032, (K Units)

Global Data Center Storage All-Flash Arrays (AFA) total production value, 2021-2032, (USD Million)

Global Data Center Storage All-Flash Arrays (AFA) production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Data Center Storage All-Flash Arrays (AFA) consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Data Center Storage All-Flash Arrays (AFA) domestic production, consumption, key domestic manufacturers and share

Global Data Center Storage All-Flash Arrays (AFA) production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Data Center Storage All-Flash Arrays (AFA) production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Data Center Storage All-Flash Arrays (AFA) production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Data Center Storage All-Flash Arrays (AFA) market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Dell, Seagate Technology, Everpure (Pure Storage), IBM, Hewlett Packard Enterprise, NetApp, Pure Storage, Huawei, Hitachi Vantara, Infinidat, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Data Center Storage All-Flash Arrays (AFA) market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Data Center Storage All-Flash Arrays (AFA) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

## Global Data Center Storage All-Flash Arrays (AFA) Market, Segmentation by Type:

Scale-Up Architecture

Scale-Out Architecture

## Global Data Center Storage All-Flash Arrays (AFA) Market, Segmentation by Common Workload Tiers:

Tier 0

Tier 1

Tier 2

## Global Data Center Storage All-Flash Arrays (AFA) Market, Segmentation by Data Center Size:

Small to Medium-Sized Data Centers

Large Data Centers

## Global Data Center Storage All-Flash Arrays (AFA) Market, Segmentation by Application:

Enterprise IT Departments

Government and Public Sector Organizations

Telecommunications Companies

Others

## Companies Profiled:

Dell

Seagate Technology

Everpure (Pure Storage)

IBM

Hewlett Packard Enterprise

NetApp

Pure Storage

Huawei

Hitachi Vantara

Infinidat

Lenovo

NGX Storage

QSAN Technology

### **Key Questions Answered:**

1. How big is the global Data Center Storage All-Flash Arrays (AFA) market?
2. What is the demand of the global Data Center Storage All-Flash Arrays (AFA) market?
3. What is the year over year growth of the global Data Center Storage All-Flash Arrays (AFA) market?
4. What is the production and production value of the global Data Center Storage All-Flash Arrays (AFA) market?
5. Who are the key producers in the global Data Center Storage All-Flash Arrays (AFA) market?
6. What are the growth factors driving the market demand?

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