

Global Network Attached Storage (NAS) Market - Drive Bay Capacities, Deployment Types and Industry Sectors

<https://marketpublishers.com/r/G6327F62D2C4EN.html>

Date: August 2025

Pages: 407

Price: US\$ 5,490.00 (Single User License)

ID: G6327F62D2C4EN

Abstracts

Global Network Attached Storage (NAS) Market Trends and Outlook

The global Network Attached Storage (NAS) market is witnessing a significant transformation, evolving from a niche solution to a strategic cornerstone of enterprise IT infrastructure. Valued at US\$33.2 billion in 2024, the market is projected to exceed US\$62.2 billion by 2030, registering a CAGR of 11%. This growth is largely fueled by the explosion of unstructured data, with enterprises across sectors capturing video, sensor, document, and AI-generated workloads that demand scalable and cost-efficient storage systems. As hybrid and multi-cloud strategies become mainstream, NAS solutions are gaining momentum for their ability to seamlessly integrate on-premise and cloud environments, simplify data management, and deliver high-performance file sharing.

Several key trends are shaping the competitive and technology landscape. The adoption of NVMe-based flash arrays is enhancing throughput for latency-sensitive applications, while AI and ML integration into NAS platforms is driving intelligent automation, predictive maintenance, and real-time optimization. Scale-out NAS architectures are on the rise, enabling enterprises to scale horizontally without disruption—particularly vital for industries managing dynamic, data-heavy workloads. Deployment models are rapidly shifting as well, with hybrid and remote NAS solutions outpacing traditional on-premise setups. Meanwhile, cybersecurity, regulatory compliance, and workload-specific performance are becoming central to procurement decisions, leading to innovation across both hardware and software-defined NAS offerings.

Leading players in the global NAS market include NetApp, Dell Technologies, Hewlett Packard Enterprise (HPE), Synology, QNAP, Qumulo, and Nasuni, each offering differentiated solutions across enterprise, SME, and hybrid cloud deployments. These vendors are continuously innovating with AI-integrated, scale-out, and cloud-native NAS platforms to meet the evolving demands of distributed and data-centric organizations.

Network Attached Storage (NAS) Regional Market Analysis

In 2024, North America accounted for the largest share, contributing approximately 37.3% of global revenues. This dominant position is driven by widespread hybrid cloud adoption, modernization of legacy infrastructure, and strong demand from regulated sectors like finance and healthcare. The Asia-Pacific region is expected to emerge as the fastest-growing market, expanding at a CAGR of 14.1% and reaching US\$18.5 billion by 2030. This exceptional growth is underpinned by rapid digitization across China, India, and Southeast Asia, where enterprises are investing in cloud-integrated and AI-powered NAS solutions to support surging volumes of unstructured data.

Network Attached Storage (NAS) Market Analysis by Drive Bay Capacity

The total market value for Network Attached Storage (NAS) solutions is estimated at US\$33.2 billion in 2024, with systems featuring 1-bay to 8-bay drive capacity forming the largest segment, accounting for 34% of the global market. This dominance is primarily due to strong demand from small and midsize enterprises (SMEs), prosumers, and departmental use cases where cost-efficient, midrange storage with advanced functionality is prioritized. Looking ahead, NAS systems with more than 20-bays are projected to witness the fastest growth, expanding at a CAGR of 13.2% between 2024 and 2030. This surge reflects growing enterprise investment in high-capacity, scale-out NAS for data-intensive workloads such as video production, genomic research, and IoT analytics. These deployments often leverage NVMe-based architectures, advanced tiering, and AI-driven automation to deliver performance at scale. The 12-bay to 20-bay segment is also poised for strong growth, driven by larger midmarket enterprises adopting flexible NAS systems to support growing hybrid workloads.

Network Attached Storage (NAS) Market Analysis by Deployment Type

In 2024, on-premise NAS deployments remain the dominant model with 64.1% of the global market. This leading position is sustained by enterprise demand for full control over storage infrastructure, particularly in regulated industries such as healthcare,

finance, and government. High-performance requirements, data sovereignty concerns, and the integration of NAS within private data centers continue to anchor demand in this segment. Meanwhile, hybrid deployments (which combine local NAS with public cloud backends) are emerging as the fastest-growing segment, projected to grow at a CAGR of 12.6% between 2024 and 2030. This rapid growth is being driven by the widespread adoption of hybrid cloud strategies, the need for cloud scalability without sacrificing local performance, and increasing reliance on NAS gateways for seamless data movement across environments. NAS solutions integrated with intelligent caching, cloud-tiering, and ransomware protection are accelerating hybrid uptake across enterprise and midmarket users.

Network Attached Storage (NAS) Market Analysis by Company Type

Large enterprises account for the majority share at 65.5% of total revenues in 2024. This leadership reflects sustained investment in high-performance, scalable storage infrastructure to support complex IT environments, petabyte-scale data volumes, and regulatory-driven compliance. Large enterprises are also increasingly adopting hybrid and software-defined NAS to enhance flexibility across geographically distributed operations. However, the SME segment is expanding at a faster pace, registering a CAGR of 12.1% during 2024-2030. The accelerated growth is driven by increasing awareness of NAS as a cost-effective alternative to traditional storage systems, coupled with the availability of entry-level and midrange appliances from vendors such as Synology, QNAP, and Asustor. SMEs are particularly drawn to NAS solutions that combine backup, file sharing, virtualization, and disaster recovery in a single platform.

Network Attached Storage (NAS) Market Analysis by Industry Sector

IT & Telecom sector emerges as the largest industry segment, generating about 19% of total market revenue in 2024. This dominant share is driven by high-performance storage requirements in data centers, cloud infrastructure management, and telecom network operations. The continuous shift to 5G, edge computing, and AI-powered services is further amplifying demand for scalable, high-throughput NAS solutions in this sector. The BFSI sector ranks second, supported by growing investments in data protection, risk analytics, and digital banking infrastructure. With compliance mandates such as PCI DSS and regional data sovereignty laws, financial institutions are turning to NAS platforms that provide encryption, immutable backups, and multi-site replication. Looking ahead, IT & Telecom is projected to remain the largest and fastest-growing vertical at a CAGR of 13.3%, while healthcare will follow, driven by rising volumes of patient data and secure archiving needs.

Network Attached Storage (NAS) Market Report Scope

This global report on Network Attached Storage (NAS) market analyzes the global and regional market based on Drive Bay Capacity, Deployment Type, Company Type and Industry Sector for the period 2021-2030 with forecasts from 2024 to 2030 in terms of value in US\$. In addition to providing profiles of major companies operating in this space, the latest corporate and industrial developments have been covered to offer a clear panorama of how and where the market is progressing.

Key Metrics

Historical Period: 2021-2024

Base Year: 2024

Forecast Period: 2024-2030

Units: Value market in US\$

Companies Mentioned: 30+

Network Attached Storage (NAS) Market by Geographic Region

North America (The United States, Canada and Mexico)

Europe (Germany, the United Kingdom, France, Italy, the Netherlands, Spain, Russia, Switzerland and Rest of Europe)

Asia-Pacific (China, Japan, India, Australia, Singapore, South Korea and Rest of Asia-Pacific)

South America (Brazil, Argentina, Colombia, Chile, Peru and Rest of South America)

Middle East & Africa (the United Arab Emirates, South Africa, Egypt, Saudi Arabia, Morocco, Kuwait, Qatar and Rest of Middle East & Africa)

Network Attached Storage (NAS) Market by Drive Bay Capacity

1-bay to 8-bays

8-bay to 12-bays

12-bay to 20-bays

More than 20 bays

Network Attached Storage (NAS) Market by Deployment Type

On-Premises

Remote

Hybrid

Network Attached Storage (NAS) Market by Company Type

Large Enterprises

SMEs

Network Attached Storage (NAS) Market by Industry Sector

Banking, Financial Services, and Insurance (BFSI)

IT & Telecom

Manufacturing

Government

Healthcare

Retail & Ecommerce

Energy & Utilities

Transportation

Media & Entertainment

Other Industry Sectors

Contents

PART A: GLOBAL MARKET PERSPECTIVE

1. EXECUTIVE SUMMARY

A Roundup on Network Attached Storage (NAS)
Market Segmentation for Network Attached Storage (NAS)
 Drive Bay Capacities
 Deployment Types
 Company Types
 Industry Sectors
Key Trends in Network Attached Storage (NAS) Market

2. INDUSTRY LANDSCAPE

Global Network Attached Storage (NAS) Market Outlook
Comprehensive Network Attached Storage (NAS) Industry Analysis - Growth Drivers and Inhibitors
 Growth Drivers
 Growth Inhibitors
Market Entry Strategies for Network Attached Storage (NAS) Industry
Startup Strategies for Network Attached Storage (NAS) Industry
SWOT Analysis of Network Attached Storage (NAS) Industry
 Strengths
 Weaknesses
 Opportunities
 Threats
Porter's Five Forces Analysis
PESTEL Analysis

3. COMPETITIVE LANDSCAPE

Market Positioning of Key Network Attached Storage (NAS) Companies
Market Share Analysis of Network Attached Storage (NAS) Companies
SWOT Analysis of Key Players in the Network Attached Storage (NAS) Industry
Key Market Players
 Asustor Inc.
 Buffalo Inc.

Ciphertex
Cloudian
Dell Technologies
Drobo Inc.
Fujitsu Ltd.
Hewlett Packard Enterprise
Hitachi Vantara
Huawei Technologies Co. Ltd.
IBM Corporation
Infotrend Technology Inc.
iXsystems
LaCie
Lenovo Group Ltd.
Nasuni
NEC Corp.
NetApp Inc.
Netgear Inc.
Promise Technology
Pure Storage
QNAP Systems Inc.
Qumulo
Seagate Technology PLC
Supermicro Computer Inc.
Synology Inc.
TerraMaster
Thecus Technology Corp.
TrueNAS (iXsystems)
Western Digital Corp.
Zyxel Communications Corp.

4. KEY BUSINESS & PRODUCT TRENDS

5. GLOBAL MARKET OVERVIEW

Global Network Attached Storage (NAS) Market Overview by Drive Bay Capacity
Network Attached Storage (NAS) Drive Bay Capacity Market Overview by Global
Region

1-bay to 8-bays

8-bay to 12-bays

12-bay to 20-bays

More than 20 bays

Global Network Attached Storage (NAS) Market Overview by Deployment Type

Network Attached Storage (NAS) Deployment Type Market Overview by Global Region

On-Premises

Remote

Hybrid

Global Network Attached Storage (NAS) Market Overview by Company Type

Network Attached Storage (NAS) Company Type Market Overview by Global Region

Large Enterprises

SMEs

Global Network Attached Storage (NAS) Market Overview by Industry Sector

Network Attached Storage (NAS) Industry Sector Market Overview by Global Region

Banking, Financial Services, and Insurance (BFSI)

IT & Telecom

Manufacturing

Government

Healthcare

Retail & Ecommerce

Energy & Utilities

Transportation

Media & Entertainment

Other Industry Sectors

PART B: REGIONAL MARKET PERSPECTIVE

Global Network Attached Storage (NAS) Market Overview by Geographic Region

REGIONAL MARKET OVERVIEW

6. NORTH AMERICA

North American Network Attached Storage (NAS) Market Overview by Geographic Region

North American Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

North American Network Attached Storage (NAS) Market Overview by Deployment Type

North American Network Attached Storage (NAS) Market Overview by Company Type
North American Network Attached Storage (NAS) Market Overview by Industry Sector
Country-wise Analysis of North American Network Attached Storage (NAS) Market
THE UNITED STATES

United States Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

United States Network Attached Storage (NAS) Market Overview by Deployment Type

United States Network Attached Storage (NAS) Market Overview by Company Type

United States Network Attached Storage (NAS) Market Overview by Industry Sector

CANADA

Canadian Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

Canadian Network Attached Storage (NAS) Market Overview by Deployment Type

Canadian Network Attached Storage (NAS) Market Overview by Company Type

Canadian Network Attached Storage (NAS) Market Overview by Industry Sector

MEXICO

Mexican Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

Mexican Network Attached Storage (NAS) Market Overview by Deployment Type

Mexican Network Attached Storage (NAS) Market Overview by Company Type

Mexican Network Attached Storage (NAS) Market Overview by Industry Sector

7. EUROPE

European Network Attached Storage (NAS) Market Overview by Geographic Region

European Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

European Network Attached Storage (NAS) Market Overview by Deployment Type

European Network Attached Storage (NAS) Market Overview by Company Type

European Network Attached Storage (NAS) Market Overview by Industry Sector

Country-wise Analysis of European Network Attached Storage (NAS) Market

GERMANY

German Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

German Network Attached Storage (NAS) Market Overview by Deployment Type

German Network Attached Storage (NAS) Market Overview by Company Type

German Network Attached Storage (NAS) Market Overview by Industry Sector

THE UNITED KINGDOM

United Kingdom Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

United Kingdom Network Attached Storage (NAS) Market Overview by Deployment Type

United Kingdom Network Attached Storage (NAS) Market Overview by Company Type

United Kingdom Network Attached Storage (NAS) Market Overview by Industry Sector

FRANCE

French Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

French Network Attached Storage (NAS) Market Overview by Deployment Type

French Network Attached Storage (NAS) Market Overview by Company Type

French Network Attached Storage (NAS) Market Overview by Industry Sector

ITALY

Italian Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

Italian Network Attached Storage (NAS) Market Overview by Deployment Type

Italian Network Attached Storage (NAS) Market Overview by Company Type

Italian Network Attached Storage (NAS) Market Overview by Industry Sector

THE NETHERLANDS

Dutch Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

Dutch Network Attached Storage (NAS) Market Overview by Deployment Type

Dutch Network Attached Storage (NAS) Market Overview by Company Type

Dutch Network Attached Storage (NAS) Market Overview by Industry Sector

SPAIN

Spanish Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

Spanish Network Attached Storage (NAS) Market Overview by Deployment Type

Spanish Network Attached Storage (NAS) Market Overview by Company Type

Spanish Network Attached Storage (NAS) Market Overview by Industry Sector

RUSSIA

Russian Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

Russian Network Attached Storage (NAS) Market Overview by Deployment Type

Russian Network Attached Storage (NAS) Market Overview by Company Type

Russian Network Attached Storage (NAS) Market Overview by Industry Sector

SWITZERLAND

Swiss Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

Swiss Network Attached Storage (NAS) Market Overview by Deployment Type

Swiss Network Attached Storage (NAS) Market Overview by Company Type

Swiss Network Attached Storage (NAS) Market Overview by Industry Sector

REST OF EUROPE

Rest of Europe Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

Rest of Europe Network Attached Storage (NAS) Market Overview by Deployment Type

Rest of Europe Network Attached Storage (NAS) Market Overview by Company Type
Rest of Europe Network Attached Storage (NAS) Market Overview by Industry Sector

8. ASIA-PACIFIC

Asia-Pacific Network Attached Storage (NAS) Market Overview by Geographic Region
Asia-Pacific Network Attached Storage (NAS) Market Overview by Drive Bay Capacity
Asia-Pacific Network Attached Storage (NAS) Market Overview by Deployment Type
Asia-Pacific Network Attached Storage (NAS) Market Overview by Company Type
Asia-Pacific Network Attached Storage (NAS) Market Overview by Industry Sector
Country-wise Analysis of Asia-Pacific Network Attached Storage (NAS) Market

CHINA

Chinese Network Attached Storage (NAS) Market Overview by Drive Bay Capacity
Chinese Network Attached Storage (NAS) Market Overview by Deployment Type
Chinese Network Attached Storage (NAS) Market Overview by Company Type
Chinese Network Attached Storage (NAS) Market Overview by Industry Sector

JAPAN

Japanese Network Attached Storage (NAS) Market Overview by Drive Bay Capacity
Japanese Network Attached Storage (NAS) Market Overview by Deployment Type
Japanese Network Attached Storage (NAS) Market Overview by Company Type
Japanese Network Attached Storage (NAS) Market Overview by Industry Sector

INDIA

Indian Network Attached Storage (NAS) Market Overview by Drive Bay Capacity
Indian Network Attached Storage (NAS) Market Overview by Deployment Type
Indian Network Attached Storage (NAS) Market Overview by Company Type
Indian Network Attached Storage (NAS) Market Overview by Industry Sector

AUSTRALIA

Australia Network Attached Storage (NAS) Market Overview by Drive Bay Capacity
Australia Network Attached Storage (NAS) Market Overview by Deployment Type
Australia Network Attached Storage (NAS) Market Overview by Company Type
Australia Network Attached Storage (NAS) Market Overview by Industry Sector

SINGAPORE

Singaporean Network Attached Storage (NAS) Market Overview by Drive Bay Capacity
Singaporean Network Attached Storage (NAS) Market Overview by Deployment Type
Singaporean Network Attached Storage (NAS) Market Overview by Company Type
Singaporean Network Attached Storage (NAS) Market Overview by Industry Sector

SOUTH KOREA

South Korean Network Attached Storage (NAS) Market Overview by Drive Bay

Capacity

South Korean Network Attached Storage (NAS) Market Overview by Deployment

Type

South Korean Network Attached Storage (NAS) Market Overview by Company Type

South Korean Network Attached Storage (NAS) Market Overview by Industry Sector

REST OF ASIA-PACIFIC

Rest of Asia-Pacific Network Attached Storage (NAS) Market Overview by Drive Bay

Capacity

Rest of Asia-Pacific Network Attached Storage (NAS) Market Overview by

Deployment Type

Rest of Asia-Pacific Network Attached Storage (NAS) Market Overview by Company

Type

Rest of Asia-Pacific Network Attached Storage (NAS) Market Overview by Industry

Sector

9. SOUTH AMERICA

South American Network Attached Storage (NAS) Market Overview by Geographic
Region

South American Network Attached Storage (NAS) Market Overview by Drive Bay
Capacity

South American Network Attached Storage (NAS) Market Overview by Deployment
Type

South American Network Attached Storage (NAS) Market Overview by Company Type

South American Network Attached Storage (NAS) Market Overview by Industry Sector

Country-wise Analysis of South American Network Attached Storage (NAS) Market

BRAZIL

Brazilian Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

Brazilian Network Attached Storage (NAS) Market Overview by Deployment Type

Brazilian Network Attached Storage (NAS) Market Overview by Company Type

Brazilian Network Attached Storage (NAS) Market Overview by Industry Sector

ARGENTINA

Argentine Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

Argentine Network Attached Storage (NAS) Market Overview by Deployment Type

Argentine Network Attached Storage (NAS) Market Overview by Company Type

Argentine Network Attached Storage (NAS) Market Overview by Industry Sector

COLOMBIA

Colombian Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

Colombian Network Attached Storage (NAS) Market Overview by Deployment Type

Colombian Network Attached Storage (NAS) Market Overview by Company Type
Colombian Network Attached Storage (NAS) Market Overview by Industry Sector

CHILE

Chilean Network Attached Storage (NAS) Market Overview by Drive Bay Capacity
Chilean Network Attached Storage (NAS) Market Overview by Deployment Type
Chilean Network Attached Storage (NAS) Market Overview by Company Type
Chilean Network Attached Storage (NAS) Market Overview by Industry Sector

PERU

Peruvian Network Attached Storage (NAS) Market Overview by Drive Bay Capacity
Peruvian Network Attached Storage (NAS) Market Overview by Deployment Type
Peruvian Network Attached Storage (NAS) Market Overview by Company Type
Peruvian Network Attached Storage (NAS) Market Overview by Industry Sector

REST OF SOUTH AMERICA

Rest of South America Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

Rest of South America Network Attached Storage (NAS) Market Overview by Deployment Type

Rest of South America Network Attached Storage (NAS) Market Overview by Company Type

Rest of South America Network Attached Storage (NAS) Market Overview by Industry Sector

10. MIDDLE EAST & AFRICA

Middle East & Africa Network Attached Storage (NAS) Market Overview by Geographic Region

Middle East & Africa Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

Middle East & Africa Network Attached Storage (NAS) Market Overview by Deployment Type

Middle East & Africa Network Attached Storage (NAS) Market Overview by Company Type

Middle East & Africa Network Attached Storage (NAS) Market Overview by Industry Sector

Country-wise Analysis of Middle East & Africa Network Attached Storage (NAS) Market

THE UNITED ARAB EMIRATES

United Arab Emirates Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

United Arab Emirates Network Attached Storage (NAS) Market Overview by

Deployment Type

United Arab Emirates Network Attached Storage (NAS) Market Overview by

Company Type

United Arab Emirates Network Attached Storage (NAS) Market Overview by Industry

Sector

SOUTH AFRICA

South African Network Attached Storage (NAS) Market Overview by Drive Bay

Capacity

South African Network Attached Storage (NAS) Market Overview by Deployment

Type

South African Network Attached Storage (NAS) Market Overview by Company Type

South African Network Attached Storage (NAS) Market Overview by Industry Sector

EGYPT

Egyptian Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

Egyptian Network Attached Storage (NAS) Market Overview by Deployment Type

Egyptian Network Attached Storage (NAS) Market Overview by Company Type

Egyptian Network Attached Storage (NAS) Market Overview by Industry Sector

SAUDI ARABIA

Saudi Arabian Network Attached Storage (NAS) Market Overview by Drive Bay

Capacity

Saudi Arabian Network Attached Storage (NAS) Market Overview by Deployment

Type

Saudi Arabian Network Attached Storage (NAS) Market Overview by Company Type

Saudi Arabian Network Attached Storage (NAS) Market Overview by Industry Sector

MOROCCO

Moroccan Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

Moroccan Network Attached Storage (NAS) Market Overview by Deployment Type

Moroccan Network Attached Storage (NAS) Market Overview by Company Type

Moroccan Network Attached Storage (NAS) Market Overview by Industry Sector

KUWAIT

Kuwaiti Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

Kuwaiti Network Attached Storage (NAS) Market Overview by Deployment Type

Kuwaiti Network Attached Storage (NAS) Market Overview by Company Type

Kuwaiti Network Attached Storage (NAS) Market Overview by Industry Sector

QATAR

Qatari Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

Qatari Network Attached Storage (NAS) Market Overview by Deployment Type

Qatari Network Attached Storage (NAS) Market Overview by Company Type

Qatari Network Attached Storage (NAS) Market Overview by Industry Sector

REST OF MIDDLE EAST & AFRICA

Rest of Middle East & Africa Network Attached Storage (NAS) Market Overview by Drive Bay Capacity

Rest of Middle East & Africa Network Attached Storage (NAS) Market Overview by Deployment Type

Rest of Middle East & Africa Network Attached Storage (NAS) Market Overview by Company Type

Rest of Middle East & Africa Network Attached Storage (NAS) Market Overview by Industry Sector

PART C: INDUSTRY GUIDE

PART D: ANNEXURE

RESEARCH METHODOLOGY

FEEDBACK

I would like to order

Product name: Global Network Attached Storage (NAS) Market - Drive Bay Capacities, Deployment Types and Industry Sectors

Product link: <https://marketpublishers.com/r/G6327F62D2C4EN.html>

Price: US\$ 5,490.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G6327F62D2C4EN.html>