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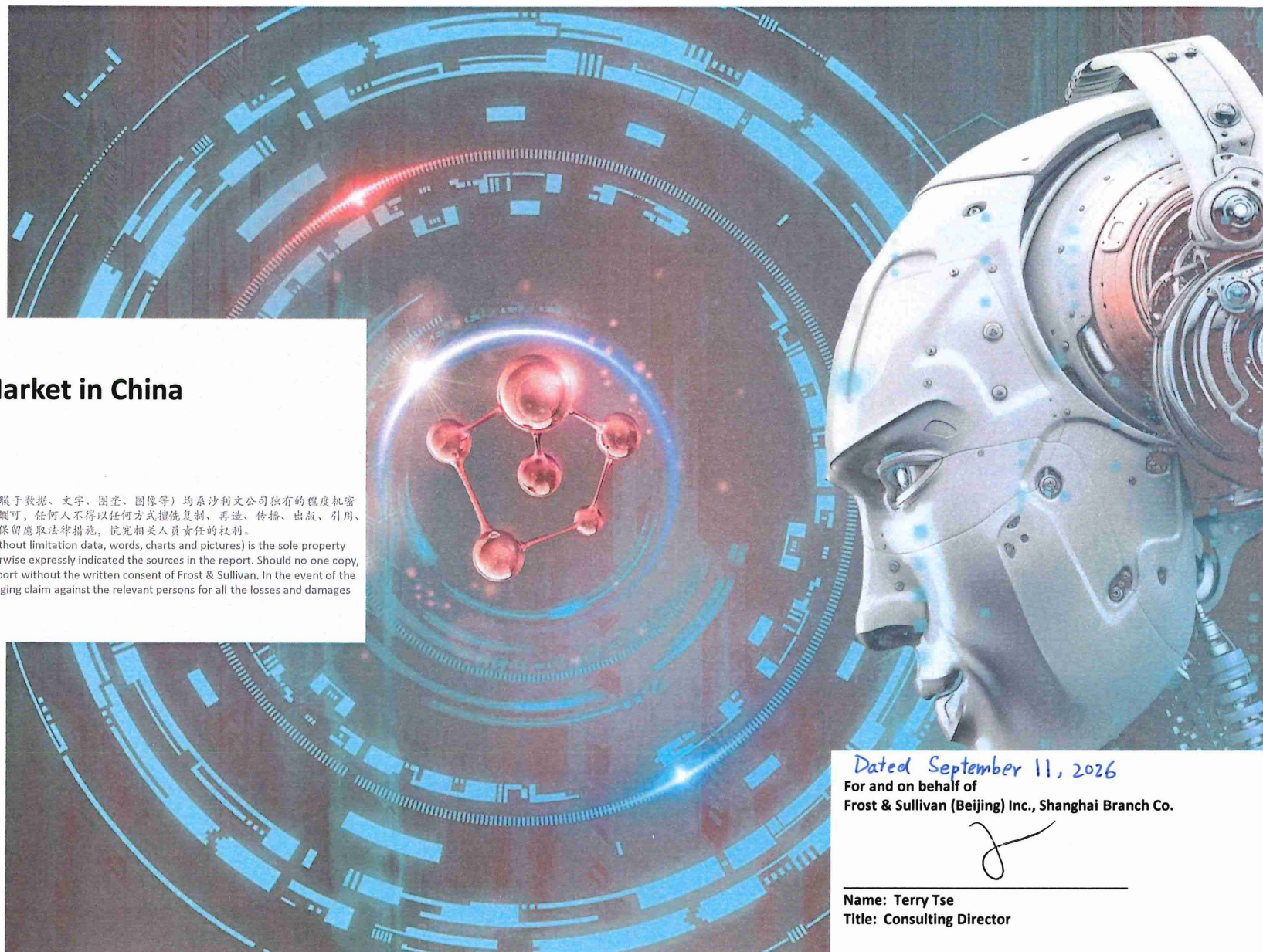
AI Infrastructure Software Market in China Independent Industry Report

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Dated September 11, 2026
For and on behalf of
Frost & Sullivan (Beijing) Inc., Shanghai Branch Co.

Name: Terry Tse
Title: Consulting Director

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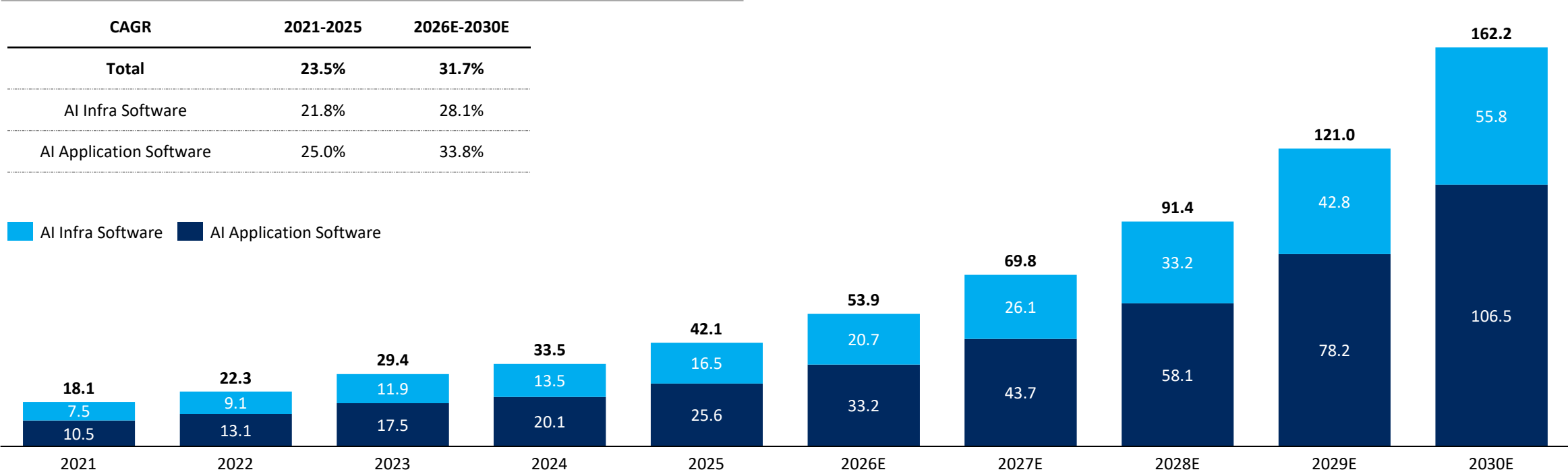


Overview of AI Software Market in China

Development of AI Software Market in China

AI Software Market in China

RMB Billion, 2021-2030E

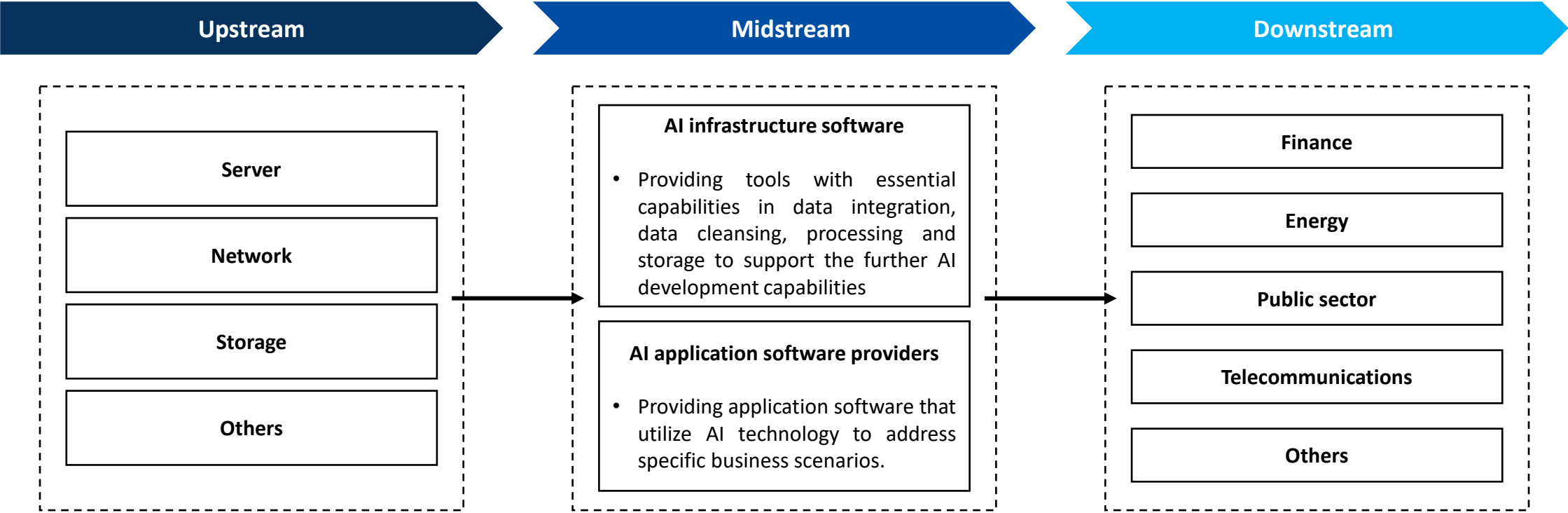


Key Findings

- AI software refers to software products designed for enterprises, leveraging artificial intelligence technologies to empower business process optimization, decision-making support, product innovation, and operational efficiency improvements through private deployment. This category includes AI infrastructure software that supports data processing, model training and deployment, and AI application software tailored to various business scenarios. AI software is widely applied in industries such as finance, manufacturing, retail, government and many others, serving as a key technology enabler for enterprises' digital and intelligent transformation.
- The market size of AI software market, in terms of revenue, has grown from RMB18.1 billion in 2021 to RMB42.1 billion in 2025, representing a CAGR of 23.5% from 2021 to 2025. Looking forward, the market size of AI software market in China, in terms of revenue, is expected to reach RMB162.2 billion in 2030 with a CAGR of 31.7% from 2026 to 2030.

Overview of AI Software Market in China

Value Chain of AI Software Market in China



Key Roles

- AI software value chain consists of three key segments. The upstream segment primarily consists of IT providers supplying hardware such as servers, networks, and storage. The midstream segment mainly includes AI infrastructure software providers, where we belong, that provide tools with essential capabilities in data integration, data cleansing, processing and storage to support the further AI development capabilities, and AI application software providers that provide application software that utilize AI technology to address specific business scenarios. The downstream segment comprises enterprises that adopt AI software, which can be further categorized into industries such as finance, energy, government, telecommunications, and others.

Overview of AI Software Market in China

Market Drivers of AI Software Market in China



Industry Demand

- Enterprises in China are moving beyond initial pilot projects and embedding AI software into core business processes, making AI become a foundational component of their digital transformation across different application scenarios. For example, AI software can be used in marketing and sales, providing personalized recommendations and improving customer service through chatbots, helping enterprises better understand consumer behavior and improve overall customer experience.



Continuously Improving Computing Infrastructure

- China's total computing power has grown from 140 EFlops in 2021 to approximately 300 EFlops in 2025. The continuous improvement of computing infrastructure provides a stable and abundant environment for AI software, significantly expanding the business scenarios in which AI software can be deployed, thus becoming a major driver of the AI software market in China.



Growth of data amount and data capability

- The strategic utilization of vast amounts of data has become a key driver for China's AI software market, particularly in data-intensive AI training and reasoning. Supported by government-led initiatives, the massive volume of data stem from China's large population and rapidly growing digital economy, fosters a dynamic environment for AI innovation. China's total annual data production in 2025 reached approximately 52 ZB. This data volume, coupled with advanced processing techniques, unlocks its value for AI software development. For instance, the ability to integrate and process multimodal data, such as text, images, video, and audio, is foundational for creating sophisticated AI software, particularly in the rapidly evolving field of multimodal LLMs.

Overview of AI Software Market in China

Development Trends of AI Software Market in China



More Data Processing Capability

- A significant future trend for the AI software market in China is the maturing of data processing capabilities, which will be essential for developing the next generation of AI applications. The focus is rapidly shifting beyond simply integrating vast amounts of data to strategically processing complex multimodal data from diverse sources. This is expected to become the foundational capability for the development and commercialization of advanced AI software, particularly in the area of multimodal LLMs.



Further Integration of AI Software into Enterprises' Operation

- AI software is expected to be further embedded into enterprises' daily operational processes, providing intelligent support across the entire business workflow. It improves operational efficiency and decision-making quality, and empowers in areas such as customer insights, risk control, and content generation, enabling AI software providers to deliver high value-added services to enterprises.

Overview of AI Software Market in China

Challenges and Threats of AI Software Market in China



Gap in Data Capabilities

- One of the key challenges facing the AI software market in China is the gap in data capabilities, which can hinder the development and deployment of AI solutions. While China generates vast amounts of data, many enterprises struggle with issues such as data fragmentation, poor data quality, and limited access to high-quality datasets. This lack of coherent, high-quality data hampers the effectiveness of AI models, which rely heavily on clean, well-structured information for training and accurate predictions. Without robust data management systems and governance frameworks, the development of advanced AI software will be limited.



Ethical and Trust Issues

- As AI software becomes more embedded in various industries, ethical concerns—such as AI biases, transparency, and accountability—become increasingly important. Enterprises should ensure that their AI software is not only efficient but also ethical, which adds complexity to development and deployment. Additionally, there is increasing scrutiny over AI software's broader societal implications, particularly regarding its potential impact on employment and privacy. As the advent of AGI, these concerns are amplified, with the potential for AI to disrupt labor markets and erode privacy. Addressing these issues is vital for fostering public trust and ensuring that AI software will develop responsibly.

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Overview of AI Infrastructure Software Market in China

Introduction of AI Infrastructure Software



Definition of AI Infrastructure Software

- AI infrastructure software encompasses tools that provide essential capabilities in data integration, data cleansing, processing and storage to support the further AI development capabilities, which empower organizations to develop robust AI capabilities through private deployment. Widely adopted across diverse industries, including finance, manufacturing, retail, the public sector, and beyond, AI infrastructure software enables organizations to strengthen their AI capabilities and accelerate their digital and intelligent transformation, driving efficiency and innovation.



Value Analysis of AI Infrastructure Software

The value of AI infrastructure software includes improving data management efficiency, accelerating LLM deployment within enterprises, and enhancing data and model security:



Transforming Raw Data into High-quality Data Assets

- Many enterprises suffer from fragmented data assets, siloed systems, and overreliance on employee experience. Data are often stored in disparate formats across systems, increasing operations and maintenance costs and reducing development efficiency. By contrast, AI infrastructure software integrates functionalities such as data cleansing, generation, labeling, and storage, enabling unified access and centralized management of heterogeneous data sources within the enterprises. AI infrastructure software enhances overall data usability and significantly reduces data silos and redundancy, laying the foundation for building a well-structured and semantically consistent data asset system. Through standardized and automated data processing workflows, enterprises can reduce the manual costs of data governance while improving the efficiency of data analysis and model training.



Reduce Application Development Difficulty

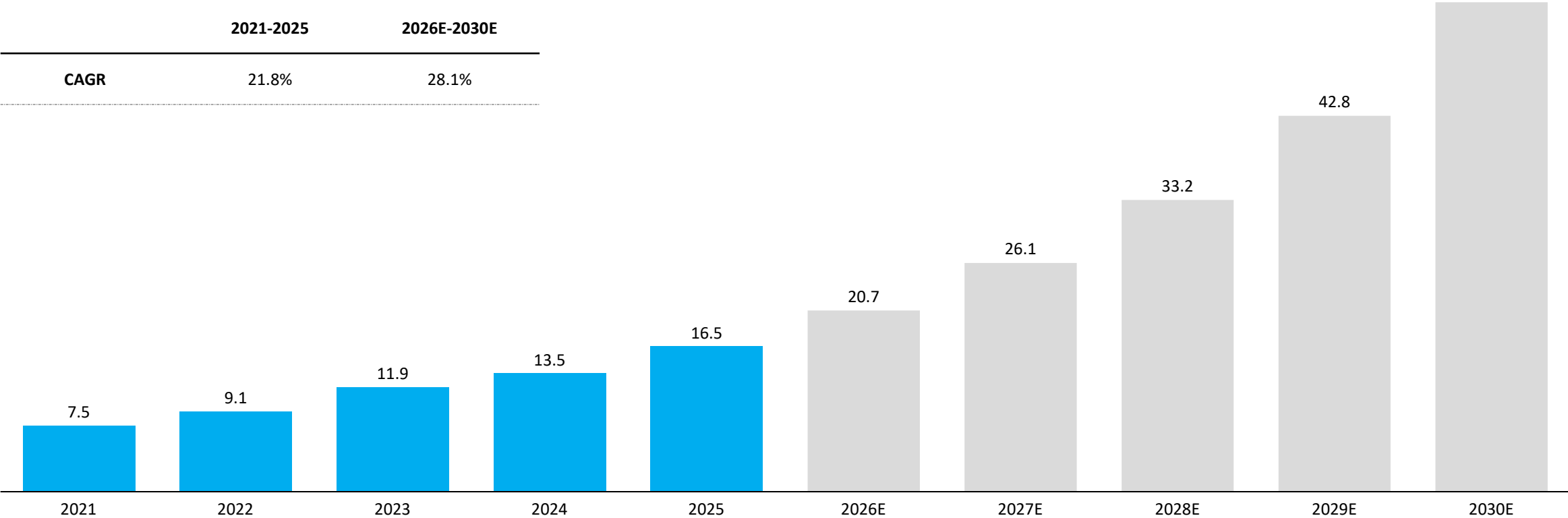
- As enterprises increasingly adopt AI technologies, they face growing challenges in developing and deploying AI applications effectively and efficiently. AI infrastructure software plays a crucial role in simplifying these processes, including streamlining the processes of the collection, organization and management of data, and ensuring high-quality, structured data for training models. Additionally, AI model development software provides a framework for designing, testing, and iterating models, reducing the complexity of building AI applications. By automating workflows, enabling seamless integration, and offering real-time monitoring, AI infrastructure software helps enterprises leverage AI more effectively across various business functions.

Overview of AI Infrastructure Software Market in China

Market Size of AI Infrastructure Software Market in China

AI Infrastructure Software Market in China

RMB Billion, 2021-2030E



Key Findings

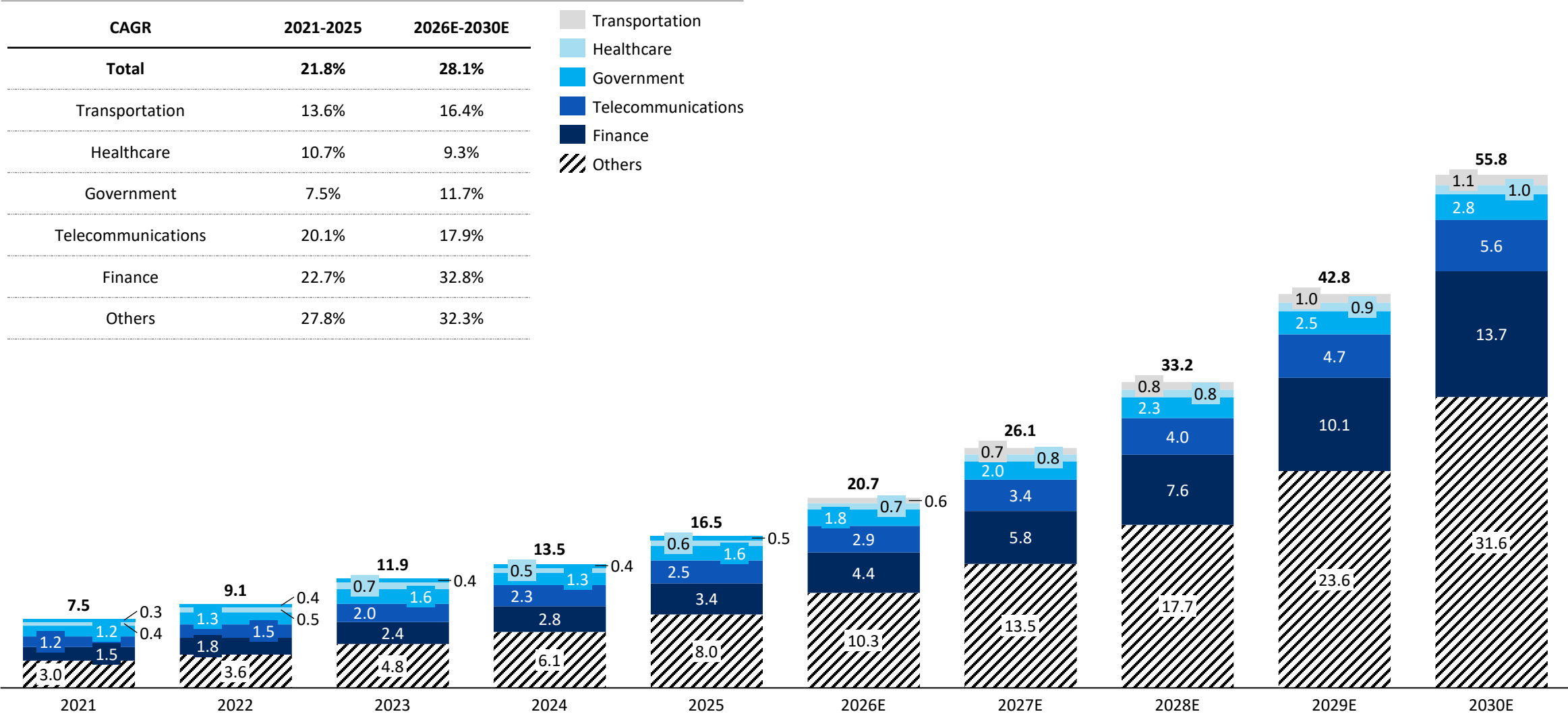
- The market size of AI infrastructure software market, in terms of revenue, has grown from RMB7.5 billion in 2021 to RMB16.5 billion in 2025, representing a CAGR of 21.8% from 2021 to 2025. Looking forward, the market size of AI infrastructure software market in China, in terms of revenue, is expected to reach RMB55.8 billion in 2030 with a CAGR of 28.1% from 2026 to 2030.

Overview of AI Infrastructure Software Market in China

Market Size of AI Infrastructure Software Market in China, by Downstream Industry

AI Infrastructure Software Market in China

RMB Billion, 2021-2030E



Overview of AI Infrastructure Software Market in China

Market Drivers of AI Infrastructure Software Market in China



Growing Demand for Enterprise Digital Transformation

- As enterprises seek to harness the power of AI, AI infrastructure software allows enterprises to develop and deploy AI more effectively and efficiently. For example, AI development platforms automate repetitive tasks and optimize data recognition, classification, and management processes, thereby enabling more efficient handling of massive datasets, accelerating the training and deployment of AI models, and replacing the traditional practice of developing AI models independently. As enterprises increasingly rely on AI to streamline operations and gain competitive advantages, the growing need for robust AI infrastructure is fueling the market demand for these solutions.



Technological Progress and Innovation

- The development of AI infrastructure software benefits from continuous breakthroughs in foundational technologies. Advances in cloud computing and edge computing have significantly improved resource scheduling and elastic scalability, enabling AI to be deployed and operated more efficiently across different environments. The development of AI agent technology can be applied to AI infrastructure software to help enterprises rapidly develop AI applications.



Favorable Policies

- PRC government has promulgated a series of strategic plans promoting digital transformation and intelligent development, such as the “14th Five- Year National Informatization Plan” and the “14th Five-Year Digital Economy Development Plan,” which provide robust policy guidance and assurance for AI infrastructure construction and application. These policies reduce uncertainty for enterprises investing in AI infrastructure, and offer systematic support in funding, standards, and ecosystem development. As a result, technical supply, maturity of application scenarios, and innovation capacity in the market have all significantly improved, creating a favorable environment for enterprise adoption of AI infrastructure software.

Overview of AI Infrastructure Software Market in China

Development Trends of AI Infrastructure Software Market in China



The Application of Multimodal LLMs

- As enterprises seek to extract deeper value from their data, multimodal LLMs are becoming increasingly central to AI infrastructure software. These models integrate the processing of text, images, speech, and other data types, enhancing the software's ability to understand and express information. They also enable the management of unstructured data within a unified framework, allowing enterprises to better integrate internal data assets and enhance the intelligent processing of complex tasks. Going forward, AI infrastructure software will increasingly support multimodal models through unified systems that encompass data ingestion, model training, and inference deployment, enabling seamless integration of diverse and heterogeneous data sources.



Widespread Use of AI Agents

- AI agents are expected to be widely applied in key tasks in the AI infrastructure software market in China, such as data standardization, governance, and quality inspection. These tools are driving a shift from “manual rule-based” management to “agent-driven automation.” By introducing AI agents capable of continuous learning, enterprises can automatically process corpora and align text with speech, improving both the efficiency and accuracy of data governance. This reduces the reliance on manual data engineering while driving the AI infrastructure software market toward smarter, more autonomous, and sustainable data management systems, becoming a key enabler for high-quality enterprise data assets.



Out-of-the-Box AI Infrastructure Software

- The AI infrastructure software market in China is increasingly shifting toward out-of-the-box solutions, with more providers offering pre-configured, low-barrier, and highly integrated software. These solutions enable enterprises to quickly establish environments for model training, deployment, and operation, eliminating the need for in-house experts or high-performance computing resources. This trend narrows the core AI technology-commercialization gap and supports plug-and-play model and data functionalities, significantly enhancing operational efficiency.

Overview of AI Infrastructure Software Market in China

Challenges and Threats of AI Infrastructure Software Market in China



Demand for Complex Intelligent Agents

- As enterprises in China push forward with intelligent transformation, the demand for advanced AI agents—capable of autonomous perception, reasoning, and multi-tasking—continues to grow, presenting new technical challenges. These AI agents often require integration across multiple systems and data sources, adding complexity to architecture design and system operations. AI infrastructure software providers should deliver scalable, easily integrated technology stacks that can support the evolving needs of AI agents, all while ensuring system flexibility and stability.



Generalization Challenges Under Diverse Enterprise Needs

- Enterprise use cases for AI infrastructure software vary greatly by industry, company size, and stage of digital development, making it difficult for providers to develop a one-size-fits-all architecture. The challenge lies in building generalized AI infrastructure software with modularity, configurability, and integration capabilities. AI infrastructure software should be capable of supporting the complex needs of large enterprises while also meeting the fast-evolving demands of small and medium-sized businesses.

Overview of AI Infrastructure Software Market in China

Favorable Policies of AI Infrastructure Software Market in China

Policy Name	Issuing Authority	Issued Date	Key Contents
Guidelines for the Construction of National Data Infrastructure 《国家数据基础设施建设指引》	NDRC, NDA, MIIT	2024.12.31	2024–2026, over a period of approximately two to three years, pilot trials of data infrastructure technology roadmaps will be conducted in key industry sectors and typical application scenarios. 2027–2028, a data infrastructure supporting large-scale data circulation and interconnectivity will be established, with data networks and data computing facilities fully integrated. - By 2029, the main structure of the national data infrastructure will be basically completed.
Guiding Opinions on Promoting High-Quality Development of the Data Industry 《关于促进数据产业高质量发展的指导意见》	NDRC, NDA, etc.	2024.12.28	By 2029, the CAGR of the data industry will exceed 15%, the structure of the data industry will be significantly optimized, data technology innovation capabilities will rank among the world's leading, the supply capacity of data products and services will be greatly enhanced, a number of new smart application products, services, and business models will be created, a number of data companies with international competitiveness will emerge, the comprehensive strength of the data industry will be significantly enhanced, and a regional aggregation and coordinated development pattern will be basically formed.
Opinions on Promoting the Development and Utilization of Enterprise Data Resources 《关于促进企业数据资源开发利用的意见》	NDA, CAC, MIIT, etc.	2024.12.20	Fully unleash the value of enterprise data resources and build a digital economy with data as a key element.
National Artificial Intelligence Industry Comprehensive Standardization System Construction Guidelines (2024 Edition) 《国家人工智能产业综合标准化体系建设指南（2024版）》	MIIT, CAC, NDRC, SAC	2024.06.05	Further strengthen the systematic planning of artificial intelligence standardization work, accelerate the construction of a standard system that meets the needs of high-quality development of the artificial intelligence industry and the high-level empowerment of “artificial intelligence+”, consolidate the supporting role of standards in promoting technological progress, promoting enterprise development, leading industrial upgrading, and ensuring industrial security, and better promote the empowerment of artificial intelligence in new industrialization.
Implementation Opinions on Promoting the Innovative Development of Future Industries 《关于推动未来产业创新发展的实施意见》	MIIT, MOT, SAC	2024.01.18	Build a future industry observatory to accurately identify and nurture high-potential future industries using technologies such as artificial intelligence and advanced computing.
Action Plan for High-Quality Development of Computing Infrastructure 《算力基础设施高质量发展行动计划》	MIIT, CAC, PBC, etc.	2023.10.08	Strengthen collaborative innovation in computing, networking, storage, and applications, promote the high-quality development of computing infrastructure, and give full play to the driving role of computing power in the digital economy.
Interim Measures for the Management of Generative AI Services 《生成式人工智能服务管理暂行办法》	CAC, NDRC, MIIT, etc.	2023.07.10	Promote the construction of generative artificial intelligence infrastructure and public training data resource platforms. Promote collaborative sharing of computing power resources and enhance the efficiency of computing power resource utilization. Promote the orderly and open classification and grading of public data, and expand high-quality public training data resources. Encourage the use of secure and trustworthy chips, software, tools, computing power, and data resources.
Special Plan for the Development of General Aviation during the 14th Five Year Plan Period 《关于数字经济发展情况的报告》	NDRC	2022.10.28	Deeply implement new infrastructure construction special projects, continue to promote the large-scale deployment of 5G networks and convergence applications, actively cultivate vertical industry application scenarios, and build artificial intelligence infrastructure for key regions and key industries.

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Competitive Landscape of AI Infrastructure Software Market in China

Types of AI Infrastructure Software Market Providers

➤ Providers in the AI infrastructure software market can be broadly categorized into pure-play providers and non-pure-play providers. Pure-play providers are those that have focused exclusively on AI infrastructure software since their inception, offering specialized solutions tailored to the unique demands of AI-driven enterprises. In contrast, non-pure-play providers typically offer a broader range of products and services, with AI infrastructure software being one component of their larger offering portfolio. Compared with non-pure-play providers, whose AI infrastructure offerings represent only a subsegment of their broader product portfolios, pure-play providers are more focused on the development and commercialization of AI infrastructure software. This focus enables them to achieve responsive technological iteration, domain specialization, and recognition as experts in the market. However, non-pure-play providers, given their larger operational scale and established reputation built through other business lines, can leverage extensive customer relationships and deliver integrated, end-to-end solutions that combine AI infrastructure with complementary products, enabling them to capture market share more rapidly, which pure-play providers can't easily achieved.

	AI infrastructure software pure-play providers	AI infrastructure software non-pure-play providers
Core features	Have focused exclusively on AI infrastructure software since their inception, offering specialized solutions tailored to the unique demands of AI-driven enterprises	Typically offer a broader range of products and services, with AI infrastructure software being just one component of their larger offering portfolio
Market responsiveness and product iteration	<u>Responsive:</u> Due to the long-term focus on AI infrastructure software, the pure-play providers can quickly innovate products by keeping pace with emerging technology trends such as multimodal models and AI agents	<u>Non-responsive:</u> The iteration pace needs to take into account the overall planning of multiple product lines, and technological updates may lag behind changes in market demand
Client trust and depth of cooperation	<u>Highly trusted and in-depth:</u> Pure-play providers can more easily establish long-term, in-depth cooperative relationships in vertical industries	<u>Limited trust and insufficient depth:</u> Limited trust and depth of cooperation in highly specialized scenarios
Brand awareness	<u>Relatively prominent:</u> Being regarded as an expert in the field by enterprise clients and the market makes it easier to gain recognition within the industry	<u>Relatively not prominent:</u> The non-pure-play providers have broad coverage but a scattered positioning, and the brand's professional image is relatively not prominent

Competitive Landscape of AI Infrastructure Software Market in China

Ranking of AI Infrastructure Software Providers in China

Ranking of Top AI Infrastructure Software Providers in China				
Ranking	Company	Provider Type	Revenue (RMB Million, 2025)	Market Share (%, 2025)
1	Company A	Dependent	1,562	9.4%
2	Company B	Dependent	1,336	8.1%
3	Company C	Dependent	641	3.9%
4	Company D	Dependent	477	2.9%
5	Transwarp	Independent	447	2.7%
Subtotal			4,463	27.0%

- 1) Company A is a private company which is primarily engaged in ICT infrastructure, cloud computing, and others.
- 2) Company B is a public company which primarily provides platform-centric AI solutions for enterprises.
- 3) Company C is a public company which is primarily engaged in cloud computing, local lifestyle services, digital media, and others.
- 4) Company D is a public company which is primarily engaged in entertainment, marketing services, financial technology, and others.

Key Roles

- The AI infrastructure software market in China is relatively fragmented. There are over 200 AI infrastructure software providers in China. In terms of revenue in 2025, we are the fifth largest AI infrastructure software provider in China, with a market share of 2.7%. Transwarp is also the largest pure-play AI infrastructure software provider in this market.

Competitive Landscape of AI Infrastructure Software Market in China

The Advantages of Transwarp’s Products

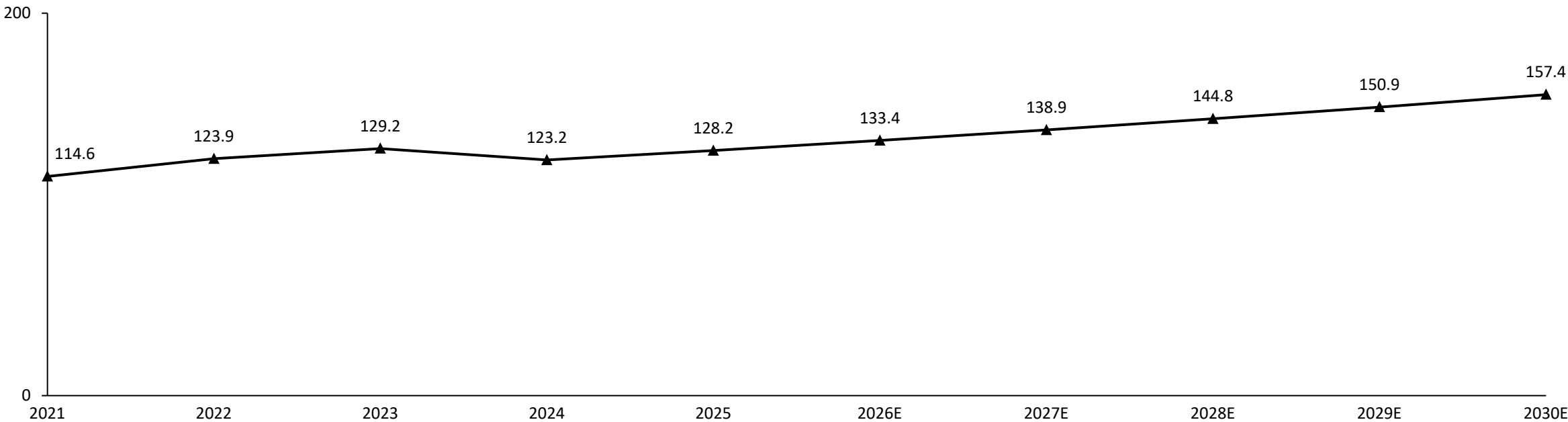
The following table also exhibits the advantages of Transwarp’s products.

	Big Data and Cloud Infrastructure Platform Software	Distributed Database Software	Data and AI Development Tools
Value-added benefits	• Big data infrastructure empowers to process and analyze extremely large datasets, often ranging from tens of terabytes to petabyte-level, supporting enterprise-wide strategic and decision-making analysis. • Cloud infrastructure enables unified deployment and elastic scaling of data and computing services across private, public, and hybrid cloud environments	• Designed for high-performance analytical processing in enterprise-scale scenarios • Also designed for highconcurrency, strong consistency, and low-latency online transaction high-performance online transaction processing	• Designed to enable users to build, manage, and operate data assets across complex environments through integrating a suite of visual and low-code tools • Designed to support AI model development, including data preprocessing, training, evaluation, deployment, and monitoring, across structured, semi-structured, and unstructured data
Competitive Advantages	• Provides the fullest types of multimodal data including relational, key value, graph, search engine, wide column, text/XML/Json, object, geospatial, time series, event, and vector	• Full SQL standard syntax support, compatibility with Oracle, IBM DB2, and Teradata dialects, compatibility with Oracle and DB2 storage procedures, and smooth data migration	• Covering full lifecycle multimodal data development and AI development capability in a low-code and independent manner, with functions such as corpus data classification and hierarchical cataloging, corpus labeling, corpus management, and others
Key Performance Parameters	• Supports petabyte level of multimodal data storage and computation across 11 types of multimodal data	• Number of Query Test Passed in 1T database size reached 22	• Supports millions of tasks on a daily basis

Competitive Landscape of AI Infrastructure Software Market in China

Cost Analysis of AI Infrastructure Software Market in China

Average Annual Urban Salary for Employees in Private Companies within China’s Information Transmission, Software, and IT Services Industry
RMB Thousand, 2021-2030E



Key Roles

- Labor expenses represent Transwarp’s major cost component in China’s AI infrastructure software market. Fluctuation of such expense is considered relatively stable, although salary growth has been slowing down in recent years due to a sluggish job market, it is expected to resume moderate growth in the future in line with the market recovery. The average annual urban salary for employees in private companies within China’s information transmission, software, and IT services industry increased from RMB114.6 thousand in 2021 to RMB128.2 thousand in 2025, reflecting a CAGR of 2.8% from 2021 to 2025, and is expected to reach RMB157.4 thousand in 2030 with a CAGR of 4.2% from 2025 to 2030.

Competitive Landscape of AI Infrastructure Software Market in China

Key Success Factors of AI Infrastructure Software Market in China

Technical Barriers

- AI infrastructure software presents multiple layers of technical barriers. For example, when dealing with large-scale multimodal data, enterprises must master efficient distributed computing technologies to enable fast training and low-latency inference. In addition, continuous technological innovation is essential. Given the rapid iteration of AI technologies, providers must significantly invest in R&D and stay at the forefront of innovation to maintain a competitive edge.

Industry Know-How

- Enterprises' needs for AI infrastructure software are often highly customized. Enterprises expect providers to provide tailored AI infrastructure software that meet their specific business requirements. Therefore, AI infrastructure software providers must accumulate in-depth knowledge of enterprises' workflows, data characteristics, and application scenarios over time. Only by offering customized services that align with enterprises' needs can AI infrastructure software providers build stable and long-term partnerships with enterprises.

Data Management Capabilities

- Data is the core asset of AI infrastructure software, and the ability to manage data effectively directly determines the performance and reliability of AI software. Enterprises must possess robust capabilities in data cleaning, labeling, and storage to ensure high data quality and availability.

Talent Barriers

- The AI infrastructure software industry involves several complex technical domains, including machine learning, deep learning, high-performance computing, and data science. Enterprises need to recruit and cultivate many highly skilled professionals. Talent development requires long-term investment and accumulation, making it difficult for new entrants to build a strong talent pool in a short period of time.

Capital Barriers

- There are significant capital barriers in AI infrastructure software market in China. The market requires substantial upfront investment in R&D, as well as ongoing product optimization and technological upgrades. Areas such as LLMs, distributed computing, and low-level architecture optimization demand significant resource allocation to build capable technical teams and stable system architectures. As a result, AI infrastructure software providers with limited financial strength may struggle to sustain long-term investment, new entrants face difficulties in overcoming the capital barriers.

Brand Barriers

- In AI infrastructure software market, enterprises' purchasing decisions heavily rely on an AI infrastructure software provider's reputation and project experience in this industry. Since this type of software is often embedded in critical business processes and incurs high switching costs once deployed, enterprises tend to choose providers with proven and stable capabilities and strong reputations.

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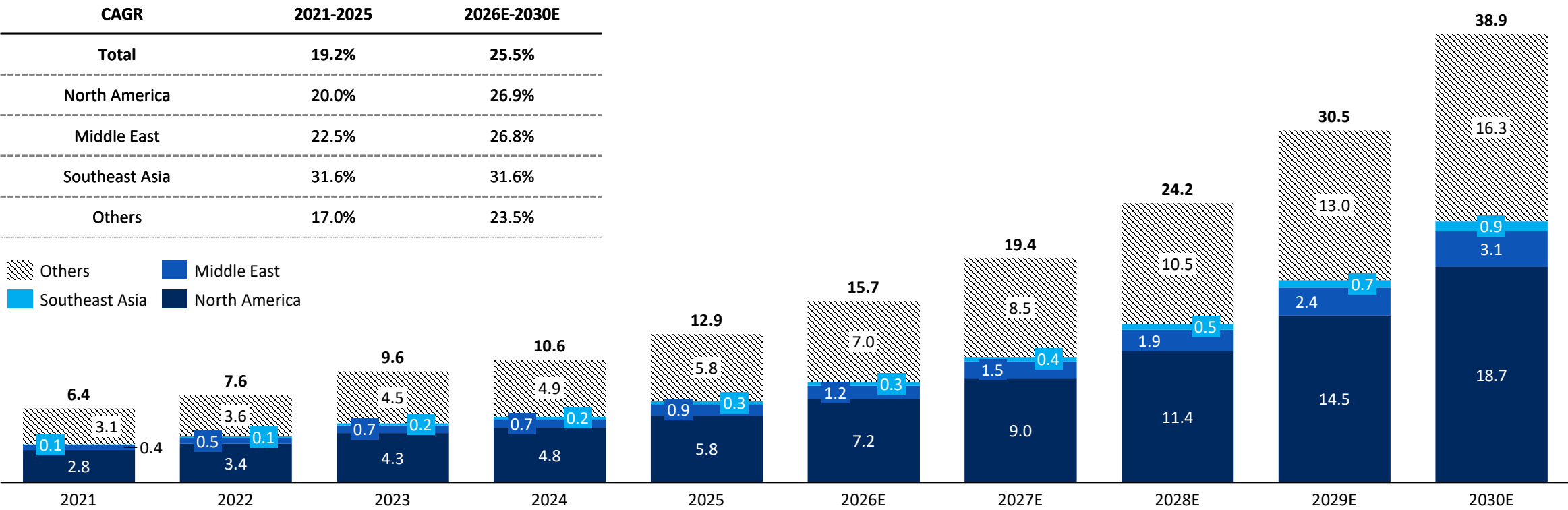


Overview of Overseas AI Infrastructure Software Market

Market Size of Overseas AI Infrastructure Software Market

Overseas AI Infrastructure Software Market

USD Billion, 2021-2030E



Key Findings

- The market size of overseas AI infrastructure software market, in terms of revenue, has grown from USD6.4 billion in 2021 to USD12.9 billion in 2025, representing a CAGR of 19.2% from 2021 to 2025. Looking forward, the market size of overseas AI infrastructure software market, in terms of revenue, is expected to reach USD38.9 billion in 2030 with a CAGR of 25.5% from 2026 to 2030. Overseas AI infrastructure software providers include well-known cloud service providers and software providers dedicated in provision of AI infrastructure software. Transwarp has developed technical capabilities that rival those of the global players in the overseas AI infrastructure software market, underscoring its strong technological capabilities.

Overview of Overseas AI Infrastructure Software Market

Technological Capabilities in Overseas AI Infrastructure Software Market

	Descriptions	Key Capabilities	Transwarp
Data Engineering	➤ A systematic process of designing, developing, and managing systems and infrastructure for collecting, storing, processing, and transforming data into usable formats for analysis and further AI model training	• Integration of data lakes and data warehouse: Supporting more cost-effective and efficient data processing capability by combining both advantages of data lakes and data warehouse	✓
Multi-Modal Data Management	➤ A systematic process of managing diverse types of data to support different data models to meet the demand of developing generative AI applications	• Multi-modal data management: Processing and storing tables, documents, images, audios, and videos, etc., into databases, which support vector, full-text index, graph, document, relational, time-series, and multiple other data models, in order to meet the demand of generative AI to retrieve, analyze and process various type of data	✓
Knowledge Engineering	➤ A systematic process of creating and maintaining domain-specific knowledge, which further allow AI to perform human-like reasoning and problem-solving	• Long-term memory system: Storing vast amount of semantic information, and ensure that knowledge is retained over time and used for future reasoning • Knowledge graph: Capturing entities, such as people, places, things, or concepts, and the relationships between them to help organizations transform fragmented, unstructured data into structured, actionable knowledge. • Document metadata management: Cataloging vast numbers of documents into tree-hierarchy structure or graph structure based on document metadata to achieve high knowledge recall rate	✓
Corpus Processing	➤ A systematic process of analysis and process of a corpus which consists of both of textual or audio data used for machine learning tasks	• Preprocessing: Removing noise data such as irrelevant or malformed data, correcting inconsistencies, and standardizing formats, and tokenizing text into data to be further used for AI training • Annotation: Automatically labeling and tagging data with relevant information which helps to scale corpus annotation efforts • Data synthesis: Generating data that is representative of the patterns, distributions, and relationships found in actual data, without directly relying on real-world data sources through AI	✓
ML & LLM Operational System	➤ A set of practices, tools, and workflows that streamline and automate the deployment and training of AI models in production environments	• Deployment: Supporting rapid deploying ability of LLM (including multimodal models, embedding models, and reranker models), as well as traditional models (e.g., NLP, CV, OCR) with fine-grained access control and traffic control in both single-node or distributed deployment • Training: Supporting training ability of LLMs, from post-pretrain to fine-tuning phases with proper version control and training data traceability; Supporting unsupervised pretrain, supervised fine tuning and reinforcement learning; Supporting both full-parameter training and partial-parameter training such as LoRA, QLoRA	✓
Agent Development	➤ The process of creating autonomous or semi-autonomous systems, often called “agents”	• Zero-code agent construction: Providing tools that abstract away the need for manual coding • Low-code agent construction: Providing predefined operators to enable user orchestrating their own workflow, including RAG workflow and data processing workflow • Agent service management: Providing rapid deployment of agents, with both API access or Chat UI access, with the capability to scale in or out based on the metrics of the current traffic and workload	✓

Overview of Overseas AI Infrastructure Software Market

Market Drivers of Overseas AI Infrastructure Software Market



Chinese Enterprises' Global Expansion

- In recent years, amid intensifying competition in the domestic market, a number of Chinese enterprises across diverse industries have been seeking to expand their business and diversify revenue streams through overseas expansion. This outbound momentum has driven enterprises from various sectors in China to more actively adopt AI infrastructure software which has already been tested in the Chinese market, to accelerate the deployment of AI capabilities overseas and gain stronger competitiveness abroad. The trend of Chinese enterprises' global expansion has created abundant overseas opportunities for AI infrastructure software providers.



Favorable Policies in Overseas Countries and Regions

- Many governments around the world have implemented favorable policies to promote the development of the AI infrastructure software industry. Southeast Asian countries have also introduced favorable policies related to AI infrastructure software, such as Malaysia's "National AI Roadmap" and Thailand's "National AI Strategy and Ethics Guidelines," both of which identify AI as a driver of economic growth. In the Middle East, Saudi Arabia has launched "Project Transcendence," which plans to invest up to USD100 billion in an artificial intelligence initiative program. These favorable policies provide natural application scenarios for AI infrastructure software and stimulate the market demand in the overseas AI infrastructure software market.

Overview of Overseas AI Infrastructure Software Market

Development Trends of Overseas AI Infrastructure Software Market



Increased Focus on Data Privacy and Security

- As AI technology becomes more deeply embedded in many critical enterprise systems, there is a growing emphasis on safeguarding sensitive data and ensuring the integrity of AI infrastructure software. Overseas enterprises are expected to prioritize robust data privacy measures and strengthen security protocols, in response to rising concerns about data privacy and the need for transparent ethical AI practices.



Chinese AI Infrastructure Software Providers Going Global

- Leveraging high product performance and a comprehensive range of capabilities, Chinese AI infrastructure software providers are actively participating in the competition in the overseas AI infrastructure software market. With product and service experience refined in the Chinese market, Chinese AI infrastructure providers are expected to serve an increasing number of overseas enterprises in the future.

Appendices

Supplementary Information (1/2)

	Key Contents
1	Engagement with end users through ISVs and SIs is an industry norm.
2	Long sales cycle is consistent with industry norm of the AI infrastructure software market in China.
3	In terms of revenue, Transwarp ranked fifth in China’s AI infrastructure software market in 2024. Transwarp was also the largest pure-play AI infrastructure software provider.
4	Transwarp was the world’s first database company to pass TPC-DS testing and official audit, demonstrating that our distributed architecture-based foundational software has reached an industry-leading level in large-scale data computation and analytics.
5	Transwarp was the first Chinese company to be included in Gartner’s Magic Quadrant for Data Warehouse and Data Management Solutions, indicating that our forerunning position is recognized by internationally reputable organizations.
6	Transwarp meets the definition of a Specialist Technology Company under Chapter 18C of the Listing Rules.
7	Transwarp’s distributorship model is in line with industry norm.
8	The overlapping of our customers and suppliers is common in the AI infrastructure software industry, where companies often operate multiple business lines with different business models.
9	The absence of product liability insurance is in line with the prevailing market practice.
10	The overall AI infrastructure software market experienced uneven performance across sectors in 2024.

Appendices

Supplementary Information (2/2)

	Key Contents
11	The trends of Transwarp’s revenue were sector-wide, with government and healthcare spending generally softening while other verticals, such as finance and telecommunications, continued to grow.
12	There are a sufficient number of suitable targets in the market that are able to meet Transwarp’s requirements.

Scope, Methodology and Key Assumptions



- ✓ This report offers a detailed analysis of target market. Unless otherwise specified, the report defines 2025 as the base year, 2021 to 2024 as the historical period, and 2026 to 2030 as the forecast period.
- ✓ The methodology employed in this report combines data from proprietary database, insights gathered through interviews with industry experts, and our understanding on the defined markets. This integrated approach facilitates a thorough and accurate analysis of current developments, trends, market sizes, and competitive landscapes within the defined markets, ensuring the provision of precise and reliable information.
- ✓ This report is prepared under the key assumptions that the social, economic, and political environments in the PRC and globally will remain stable throughout the forecast period, ensuring sustainable and steady development of the defined markets. It also assumes no significant adverse changes in government policies affecting these markets.

About US

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Source: Frost & Sullivan

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