

Chapter 1: Development and Use of Internet Infrastructure Resources

Internet infrastructure resources are essential to the integration of the real and digital economies. In 2025, China continued to expand the supply of these resources, deepen large-scale IPv6 deployment and application, and maintain steady development in domain-name numbers. This strengthened the foundations for closer integration of the real and digital economies across a wider range of activities.

1 Development of internet infrastructure resources

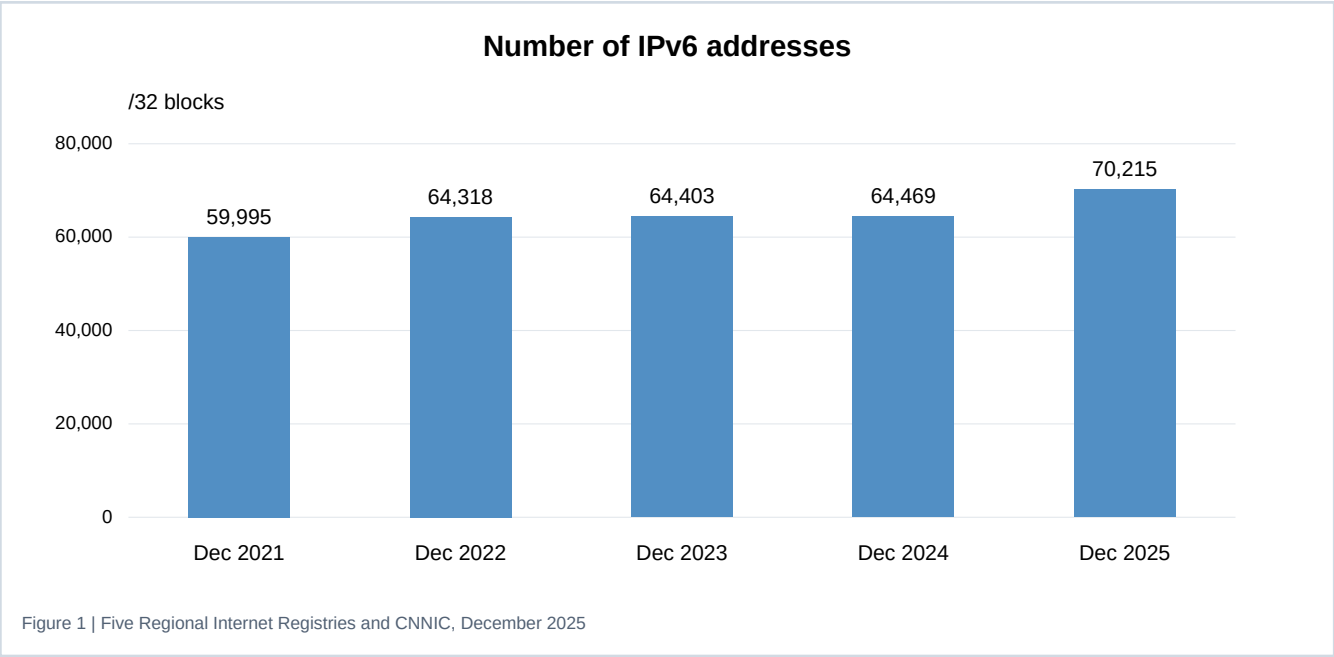
By December 2025, China had approximately 356.50 million IPv4 addresses [1], 70,215 /32 blocks of IPv6 addresses [2], and 850 million active IPv6 users. The country had 32.30 million domain names, including 20.77 million .CN domains and 160,000 .中国 domains. Worldwide, there were 21.59 million .CN domains and 170,000 .中国 domains. Broadband internet access ports totalled 1.251 billion.

Table 1. Internet infrastructure resources, December 2025

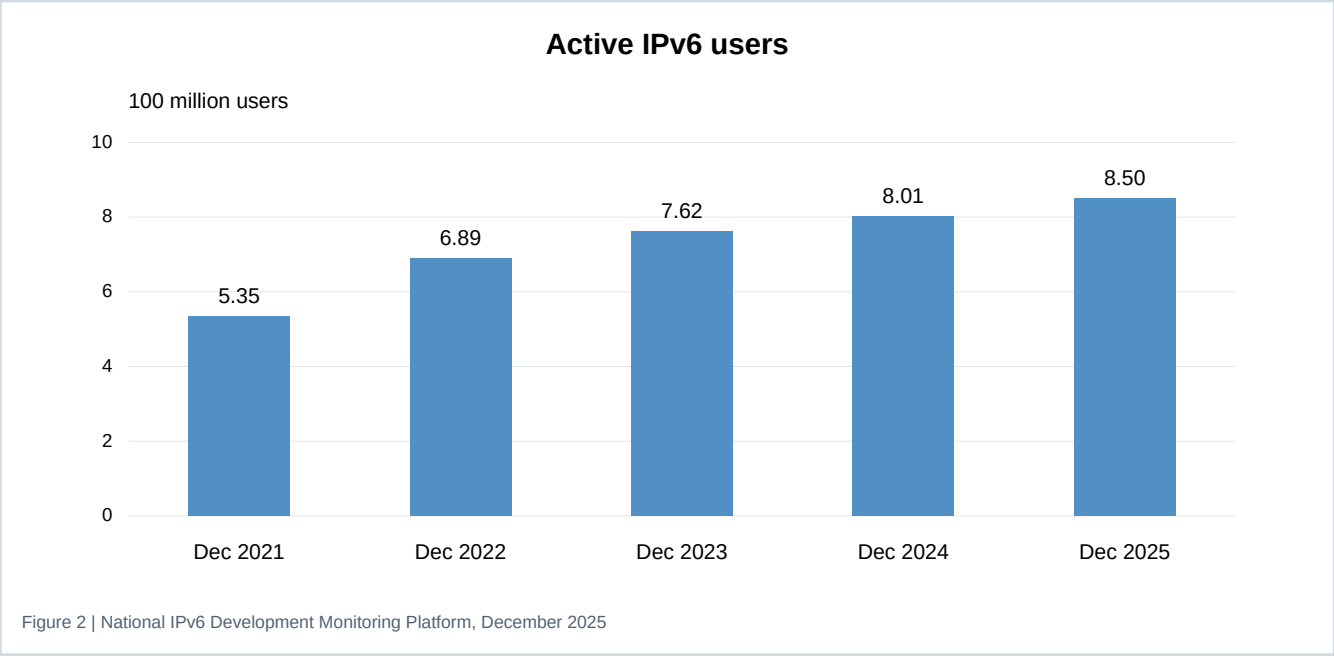
Category	Unit	December 2025
IPv4 addresses	Addresses	356,499,695
IPv6 addresses	/32 blocks	70,215
Active IPv6 users	100 million users	8.50
Domain names in China	Domains	32,304,927
Of which: .CN domains	Domains	20,768,082
Of which: .中国 domains	Domains	159,480
Broadband internet access ports	100 million ports	12.51

1.1 IP addresses

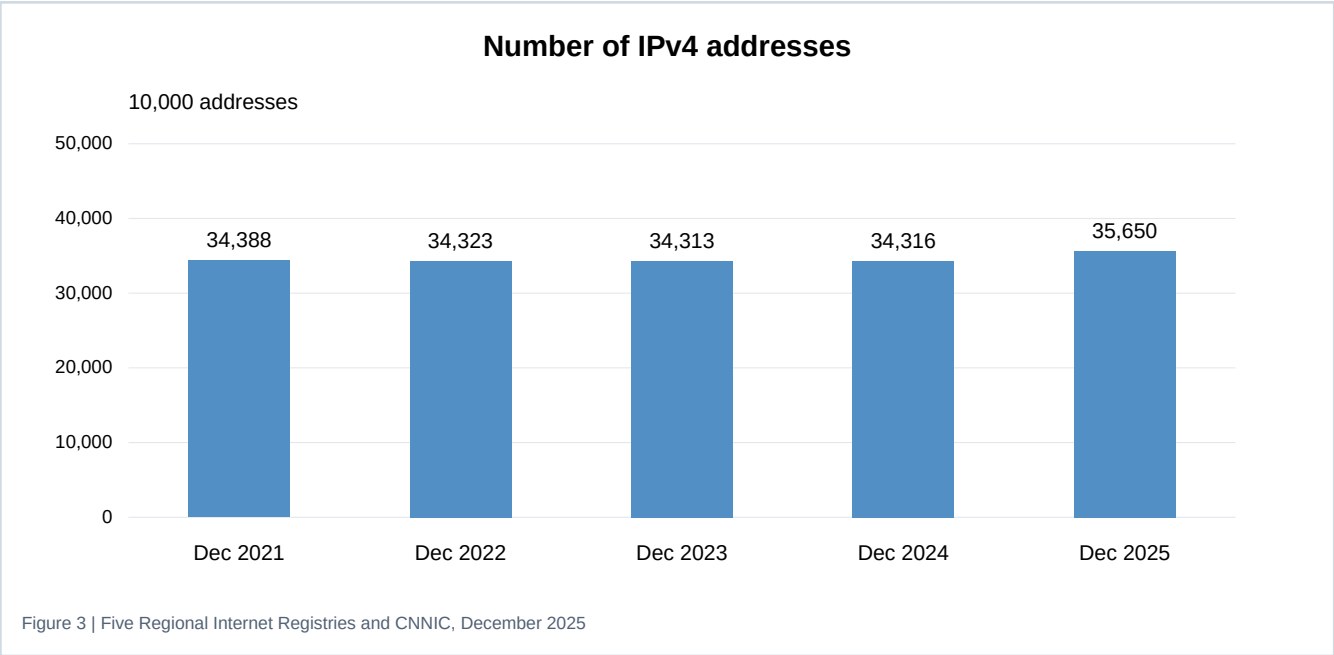
By December 2025, China had 70,215 /32 blocks of IPv6 addresses. An analysis of IPv6 support among 23 major public recursive DNS services worldwide found that 14 offered public recursive services over IPv6, approximately 60.9% of the total.



By December 2025, China had 850 million active IPv6 users.



By December 2025, China had approximately 356.50 million IPv4 addresses.



1.2 Domain names

By December 2025, China had 32.30 million domain names. These included 20.77 million .CN domains, 6.89 million .COM domains, 160,000 .中国 domains and 3.01 million new generic top-level domains (New gTLDs).

Table 2. Domain names in China by category

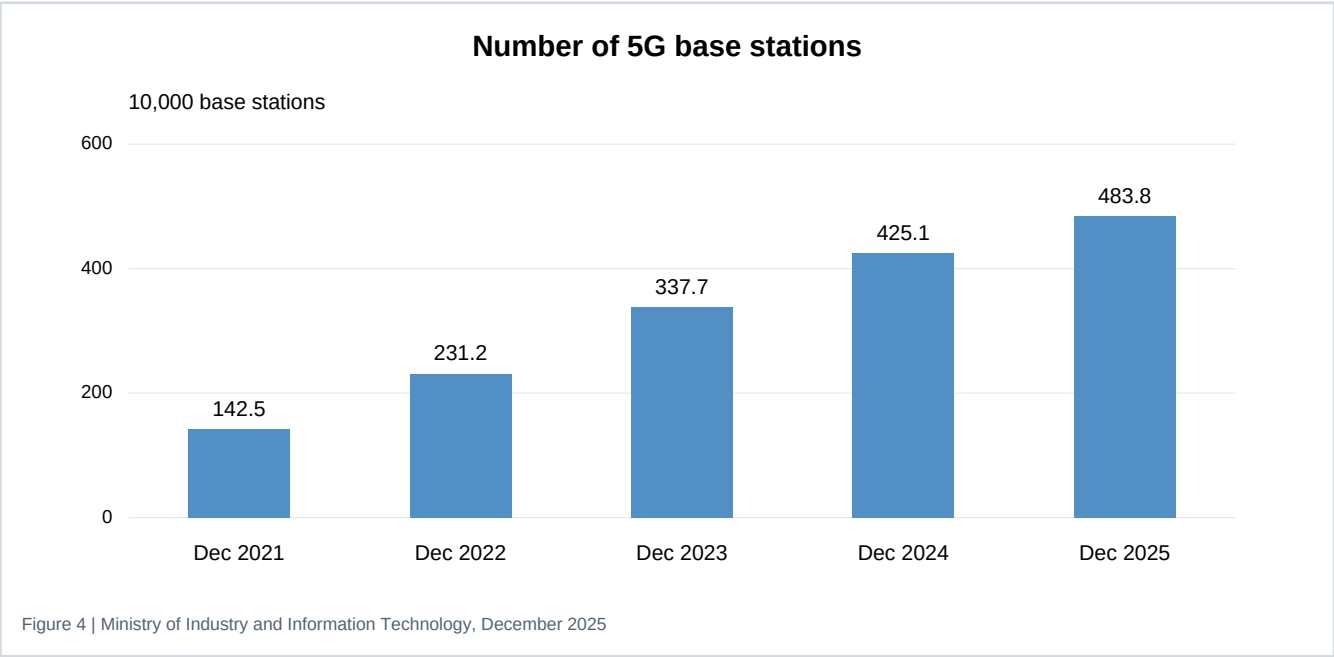
Category	Number of domains
.CN	20,768,082
.COM	6,889,071
.NET	548,564
.INFO	244,501
.中国	159,480
.ORG	18,505
New gTLDs	3,013,625
Other [3]	663,099
Total	32,304,927

Table 3. .CN domain names in China by category

Category	Number of domains
.CN [4]	13,633,716
.COM.CN	3,631,227
.ADM.CN [5]	1,511,403
.NET.CN	1,025,097
.ORG.CN	921,550
.AC.CN	26,105
.GOV.CN	11,773
.EDU.CN	6,947
Other	264
Total	20,768,082

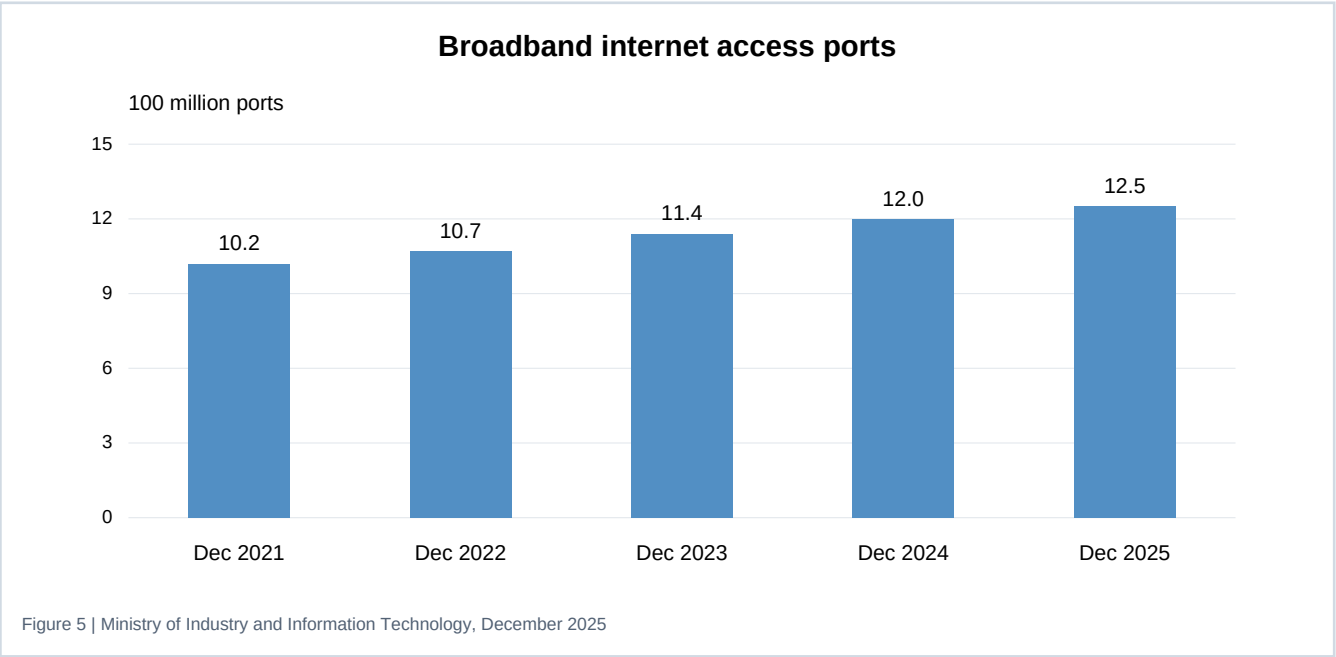
1.3 Number of 5G base stations

By December 2025, China had 4.838 million 5G base stations, accounting for 37.6% of all mobile base stations. This share increased by 4 percentage points compared with December 2024.



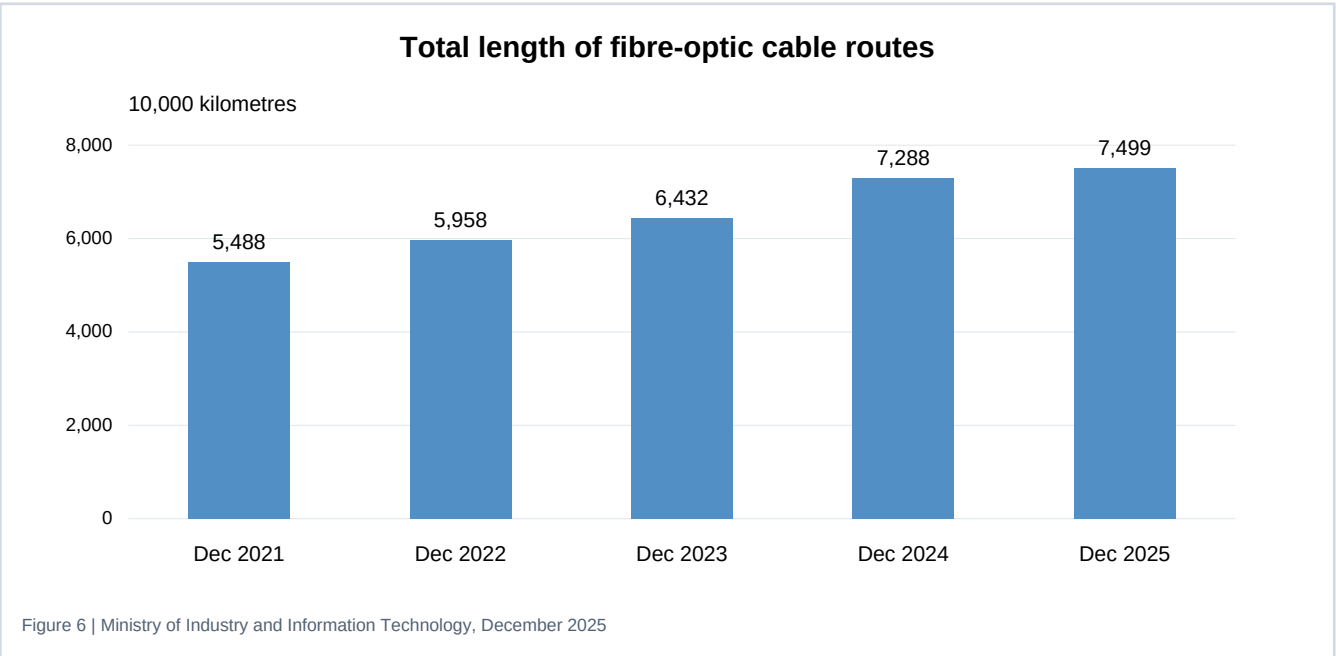
1.4 Number of broadband internet access ports

By December 2025, China had 1.251 billion broadband internet access ports, a net increase of 48.77 million over December 2024. Fibre-to-the-home/office (FTTH/O) ports totalled 1.21 billion, a net increase of 50.30 million. Their share of all broadband ports rose from 96.5% in December 2024 to 96.8%. The number of 10G PON ports capable of providing gigabit network services reached 31.62 million, a net increase of 3.419 million over December 2024.



1.5 Total length of fibre-optic cable routes

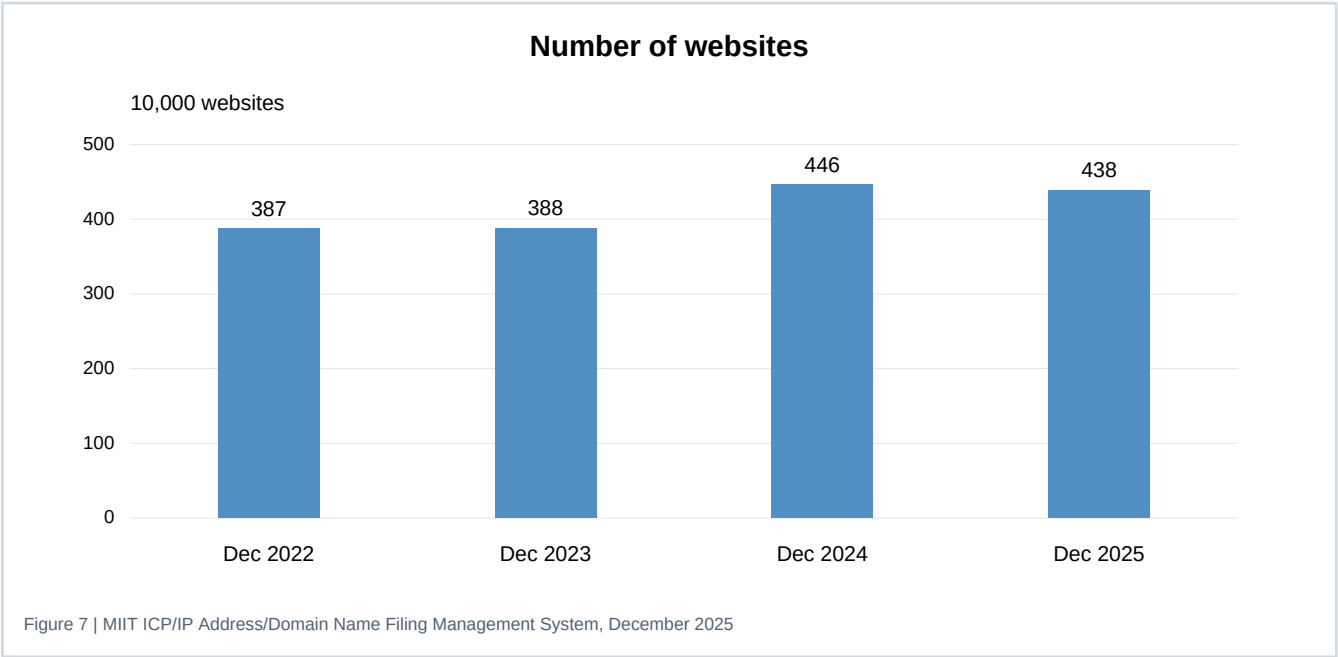
By December 2025, the total length of China's fibre-optic cable routes reached 74.99 million kilometres.



2 Use of internet infrastructure resources

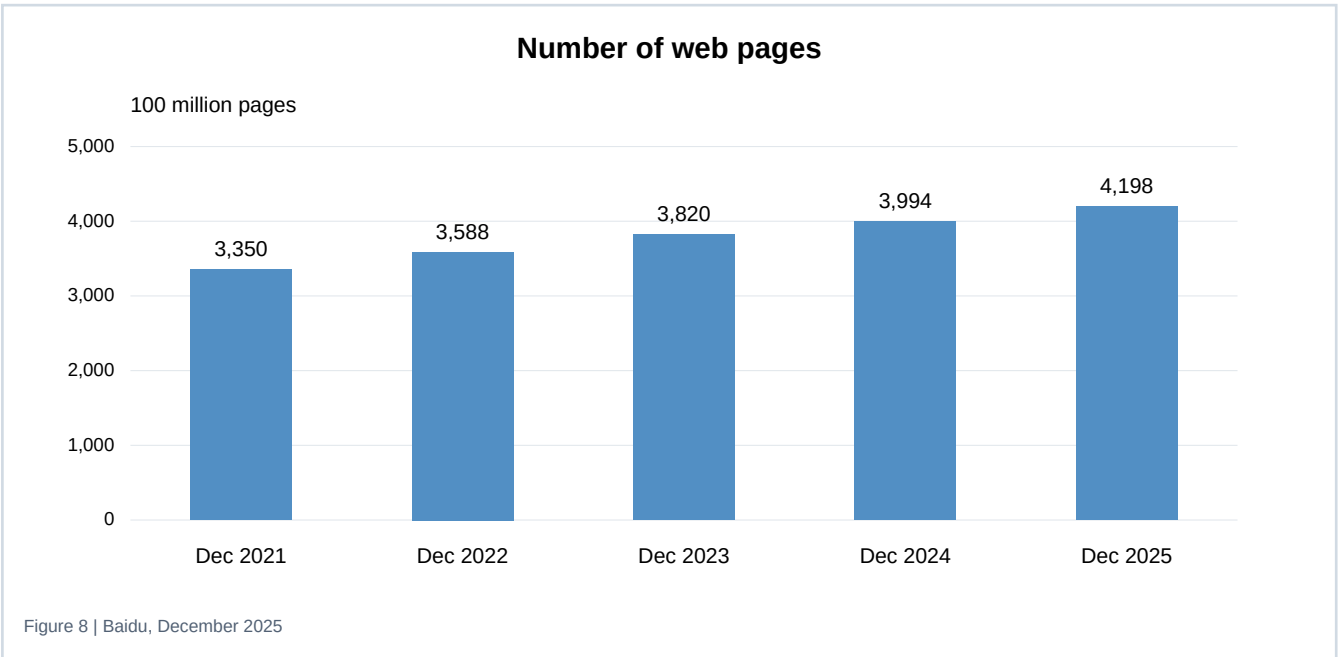
2.1 Websites

By December 2025, China had 4.38 million websites.



2.2 Web pages

By December 2025, China had 419.8 billion web pages, an increase of 5.1% compared with December 2024.



Static web pages [6] numbered approximately 290.8 billion, accounting for 69.3% of the total. Dynamic web pages [7] numbered approximately 129.0 billion, accounting for 30.7%.

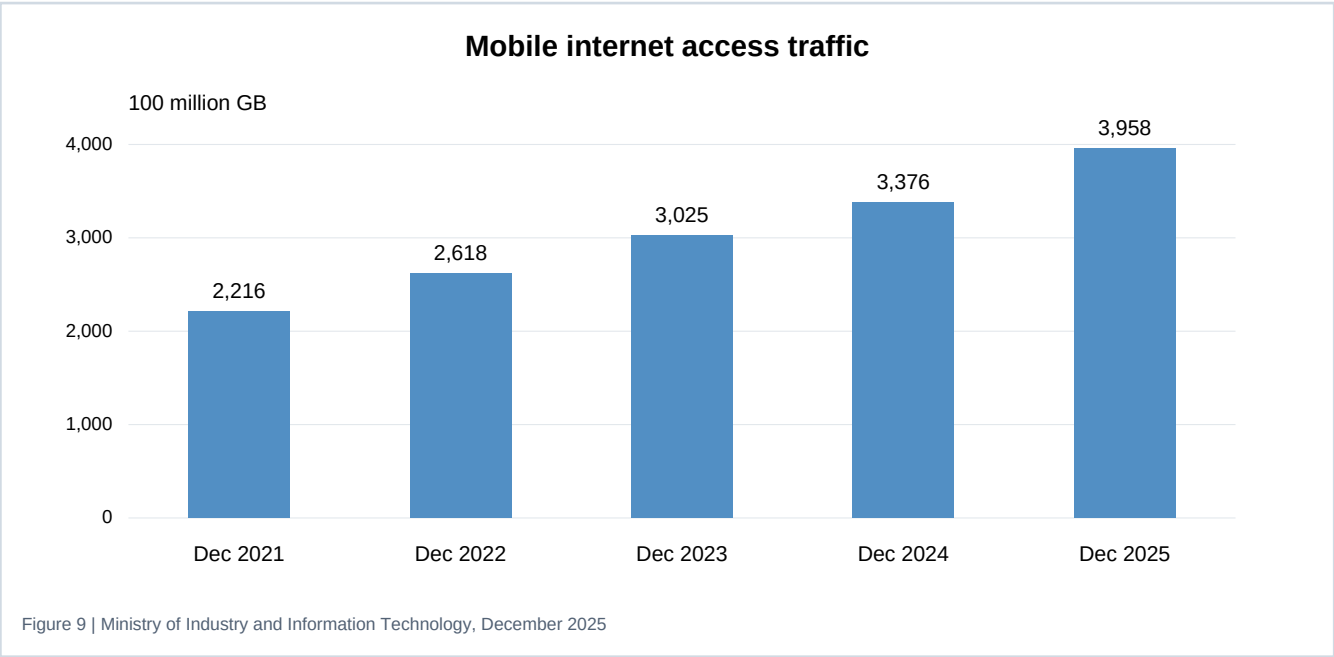
Table 4. Web pages: December 2025 and growth since December 2024

Category	Unit	December 2025	Growth since Dec 2024 (%)
Total web pages	Pages	419,800,086,820	5.1
Static web pages	Pages	290,806,475,663	5.6
Share of all web pages	%	69.3	--
Dynamic web pages	Pages	128,993,611,157	4.0
Share of all web pages	%	30.7	--
Total web-page size	KB	37,757,351,603,666	8.4
Average size per web page	KB	90	3.1

Source: Baidu

2.3 Mobile internet access traffic

The report's December 2025 figure for China's mobile internet access traffic [8] was 395.8 billion GB, an increase of 17.3% compared with December 2024.



Sources and notes

[1] IPv4 addresses applied for in mainland China and IPv4 addresses connected there.

[2] IPv6 addresses applied for in mainland China and IPv6 addresses connected there.

[3] Other domain names include .BIZ, .CO, .TV, .CC, .ME, .HK and .PW.

[4] Here, .CN means second-level domains registered directly under .CN.

[5] .ADM.CN is a virtual second-level category collectively referring to all administrative-region second-level domains under .CN.

[6] Static web pages are standard HTML pages with .htm or .html file extensions. They may contain text, images, sound, Flash animations, client-side scripts, ActiveX controls and Java applets.

[7] Dynamic web pages combine basic HTML syntax with technologies such as Java, VB, VC and database programming. Although the page code may remain unchanged, displayed content can change with time, the environment or the results of database operations.

[8] Since February 2024, industry aggregate data have included China Broadcasting Network Group Co., Ltd.'s 5G mobile telephone users, 5G mobile internet access traffic and 5G mobile internet users.

Unofficial English translation of CNNIC's 57th Statistical Report on China's Internet Development, Chapter 1, PDF pages 11-17 (printed pages 3-9). Claims, dates, definitions and sources are translated as published, not independently verified. Exact table values and the report's rounded chart values are retained, with original units labelled. Mobile-traffic period labels are reproduced as printed.