



China - 2016 Year in Review

IP Traffic

- In China, IP traffic reached 17.1 Exabytes per month in 2016, up from 12.2 Exabytes per month in 2015.
- China's IP traffic grew 40% in 2016.
- China's IP networks carried 561 Petabytes per day in 2016, up from 401 Petabytes per day in 2015.
- In China, IP traffic reached an annual run rate of 204.7 Exabytes in 2016, up from an annual run rate of 146.5 Exabytes in 2015.
- China's IP traffic in 2016 was equivalent to 51 billion DVDs per year, 4 billion DVDs per month, or 6 million DVDs per hour.
- In China, IP traffic reached 12.3 Gigabytes per capita in 2016, up from 8.9 Gigabytes per capita in 2015.
- In China, average IP traffic reached 52 Tbps in 2016, and busy hour traffic was 216 Tbps.
- Last year, the gigabyte equivalent all movies ever made crossed China's IP networks every 21 minutes.
- Chinese IP traffic in 2016 was equivalent to 135x the volume of Chinese IP traffic in 2005.

Internet Traffic

- In China, average Internet traffic grew 43% in 2016.
- In China, peak Internet traffic grew 61% in 2016.
- In China, Internet traffic reached 11.3 Exabytes per month in 2016, up from 7.9 Exabytes per month in 2015.
- China's Internet traffic was 370 Petabytes per day in 2016, up from 260 Petabytes per day in 2015.
- China's Internet traffic in 2016 was equivalent to 34 billion DVDs per year, 3 billion DVDs per month, or 4 million DVDs per hour.

- In 2016, the gigabyte equivalent of all movies ever made crossed the Internet every 31 minutes.
- Chinese Internet traffic in 2016 was equivalent to 96x the volume of the entire Chinese Internet in 2005.
- In China, Internet traffic reached 8.2 Gigabytes per capita in 2016, up from 5.7 Gigabytes per capita in 2015.
- In China, average Internet traffic reached 34 Tbps in 2016.
- In China, busy hour Internet traffic reached 143 Tbps in 2016.

Wi-Fi Traffic

- China's Fixed/Wi-Fi IP traffic grew 44% in 2016.

Wired Traffic

- China's Fixed/Wired IP traffic grew 35% in 2016.

Mobile Traffic

- China's mobile data traffic grew 88% in 2016.

Video Traffic

- In China, IP video was 80% of all IP traffic in 2016, up from 78% in 2015.
- In China, Internet video traffic was 73% of all consumer Internet traffic in 2016, up from 69% in 2015.
- In China, 279 billion minutes of video content crossed the Internet each month in 2016, up from 265 billion in 2015.
- In China, 279 billion minutes (530,578 years) of video content crossed the Internet each month in 2016. That's 106,116 minutes of video streamed or downloaded every second.

Devices

- In China, there were 3.5 billion networked devices in 2016, up from 3.2 billion in 2015.
- In China, there were 2.5 networked devices per capita in 2016, up from 2.3 per capita in 2015.

Broadband Speed Evolution

- In China, the average fixed broadband speed grew 39% from 2015 to 2016, from 23.1 Mbps to 32.2 Mbps.
- In China, 86% of broadband connections were faster than 5 Mbps in 2016.
- In China, 75% of broadband connections will be faster than 10 Mbps in 2016.

Traffic per User and Household

- In China, the average Internet user generated 13.2 Gigabytes per month in 2016, up 32% from 10.0 Gigabytes per month in 2015.
- In China, the average Internet household generated 34.7 Gigabytes per month in 2016, up 32% from 26.3 Gigabytes per month in 2015.
- In China, Internet video traffic grew 51%, and is now 96% of all consumer Internet traffic.

- In China, there were 4 million Internet households (2.0% of all Internet households) generating more than 250 Gigabytes per month in 2016, up from 2 million in 2015.
- In China, there were 2 million Internet households (1.0% of all Internet households) generating more than 500 Gigabytes per month in 2016, up from 0 in 2015.