



Germany - 2016 Year in Review

IP Traffic

- In Germany, IP traffic reached 2.1 Exabytes per month in 2016, up from 1.8 Exabytes per month in 2015.
- Germany's IP traffic grew 19% in 2016.
- Germany's IP networks carried 69 Petabytes per day in 2016, up from 58 Petabytes per day in 2015.
- In Germany, IP traffic reached an annual run rate of 25.4 Exabytes in 2016, up from an annual run rate of 21.2 Exabytes in 2015.
- Germany's IP traffic in 2016 was equivalent to 6 billion DVDs per year, 528 million DVDs per month, or 723,833 DVDs per hour.
- In Germany, IP traffic reached 26.2 Gigabytes per capita in 2016, up from 21.9 Gigabytes per capita in 2015.
- In Germany, average IP traffic reached 6 Tbps in 2016, and busy hour traffic was 31 Tbps.
- Last year, the gigabyte equivalent all movies ever made crossed Germany's IP networks every 3 hours.
- German IP traffic in 2016 was equivalent to 14x the volume of German IP traffic in 2005.

Internet Traffic

- In Germany, average Internet traffic grew 19% in 2016.
- In Germany, peak Internet traffic grew 44% in 2016.
- In Germany, Internet traffic reached 1.6 Exabytes per month in 2016, up from 1.4 Exabytes per month in 2015.
- Germany's Internet traffic was 50 Petabytes per day in 2016, up from 45 Petabytes per day in 2015.
- Germany's Internet traffic in 2016 was equivalent to 5 billion DVDs per year, 411 million DVDs per month, or 562,577 DVDs per hour.

- In 2016, the gigabyte equivalent of all movies ever made crossed the Internet every 4 hours.
- German Internet traffic in 2016 was equivalent to 14x the volume of the entire German Internet in 2005.
- In Germany, Internet traffic reached 20.4 Gigabytes per capita in 2016, up from 17.0 Gigabytes per capita in 2015.
- In Germany, average Internet traffic reached 5 Tbps in 2016.
- In Germany, busy hour Internet traffic reached 24 Tbps in 2016.

Wi-Fi Traffic

- Germany's Fixed/Wi-Fi IP traffic grew 18% in 2016.

Wired Traffic

- Germany's Fixed/Wired IP traffic grew 19% in 2016.

Mobile Traffic

- Germany's mobile data traffic grew 39% in 2016.

Video Traffic

- In Germany, IP video was 75% of all IP traffic in 2016, up from 69% in 2015.
- In Germany, Internet video traffic was 71% of all consumer Internet traffic in 2016, up from 64% in 2015.
- In Germany, 94 billion minutes of video content crossed the Internet each month in 2016, up from 89 billion in 2015.
- In Germany, 94 billion minutes (179,466 years) of video content crossed the Internet each month in 2016. That's 35,893 minutes of video streamed or downloaded every second.

Devices

- In Germany, there were 449.3 million networked devices in 2016, up from 409.8 million in 2015.
- In Germany, there were 5.6 networked devices per capita in 2016, up from 5.1 per capita in 2015.

Broadband Speed Evolution

- In Germany, the average fixed broadband speed grew 16% from 2015 to 2016, from 27.0 Mbps to 31.4 Mbps.
- In Germany, 87% of broadband connections were faster than 5 Mbps in 2016.
- In Germany, 72% of broadband connections will be faster than 10 Mbps in 2016.

Traffic per User and Household

- In Germany, the average Internet user generated 21.7 Gigabytes per month in 2016, up 14% from 19.0 Gigabytes per month in 2015.
- In Germany, the average Internet household generated 39.7 Gigabytes per month in 2016, up 14% from 34.9 Gigabytes per month in 2015.
- In Germany, Internet video traffic grew 32%, and is now 88% of all consumer Internet traffic.

- In Germany, there were 582,409 Internet households (1.9% of all Internet households) generating more than 250 Gigabytes per month in 2016, up from 565,928 in 2015.
- In Germany, there were 291,204 Internet households (0.9% of all Internet households) generating more than 500 Gigabytes per month in 2016, up from 282,964 in 2015.