



Germany – Consumer Highlights

Consumer IP Traffic

- In Germany, Consumer IP traffic will grow 3-fold from 2016 to 2021, a compound annual growth rate of 24%.
- In Germany, Consumer IP traffic will reach 5.0 Exabytes per month in 2021, the equivalent of 1 billion DVDs per month, or 2 million DVDs per hour.
- In Germany, Consumer IP traffic was 1.7 Exabytes per month in 2016, the equivalent of 428 million DVDs per month, or 586,375 DVDs per hour.
- Germany's Consumer IP traffic grew 23% in 2016.
- Germany's Consumer IP traffic was 81% of total IP traffic in 2016, and will be 85% of total IP traffic in 2021.

Consumer Internet Traffic

- In Germany, Consumer Internet traffic will grow 3-fold from 2016 to 2021, a compound annual growth rate of 27%.
- In Germany, Consumer Internet traffic will reach 4.4 Exabytes per month in 2021, the equivalent of 1 billion DVDs per month, or 2 million DVDs per hour.
- In Germany, Consumer Internet traffic was 1.3 Exabytes per month in 2016, the equivalent of 332 million DVDs per month, or 454,833 DVDs per hour.
- Germany's Consumer Internet traffic grew 23% in 2016.
- Germany's Consumer Internet traffic was 63% of total IP traffic in 2016, and will be 74% of total IP traffic in 2021.

- Germany's Consumer Internet traffic was 78% of Consumer IP traffic in 2016, and will be 88% of Consumer IP traffic in 2021.
- In Germany, 5% of Consumer Internet traffic was mobile in 2016, and 8% of Consumer Internet traffic will be mobile in 2021.

Consumer Fixed Internet Traffic

- In Germany, Consumer fixed Internet traffic will grow 3-fold from 2016 to 2021, a compound annual growth rate of 26%.
- In Germany, Consumer fixed Internet traffic will reach 4.1 Exabytes per month in 2021, the equivalent of 1 billion DVDs per month, or 1 million DVDs per hour.
- In Germany, Consumer fixed Internet traffic was 1.3 Exabytes per month in 2016, the equivalent of 315 million DVDs per month, or 431,211 DVDs per hour.
- Germany's consumer fixed Internet traffic grew 22% in 2016.
- Germany's consumer fixed Internet traffic was 60% of total IP traffic in 2016, and will be 68% of total IP traffic in 2021.
- Germany's consumer fixed Internet traffic was 74% of Consumer IP traffic in 2016, and will be 81% of Consumer IP traffic in 2021.

Consumer Mobile Traffic

- In Germany, Consumer mobile data traffic will grow 5-fold from 2016 to 2021, a compound annual growth rate of 39%.
- In Germany, Consumer mobile data traffic will reach 357 Petabytes per month in 2021, the equivalent of 89 million DVDs per month, or 122,100 DVDs per hour.
- In Germany, Consumer mobile data traffic was 69 Petabytes per month in 2016, the equivalent of 17 million DVDs per month, or 23,622 DVDs per hour.
- Germany's Consumer mobile data traffic grew 39% in 2016.
- Germany's Consumer mobile data traffic was 3.3% of total IP traffic in 2016, and will be 6% of total IP traffic in 2021.
- Germany's Consumer mobile data traffic was 4.0% of Consumer IP traffic in 2016, and will be 7% of Consumer IP traffic in 2021.
- Germany's Consumer mobile data traffic was 5% of Consumer Internet traffic in 2016, and will be 8% of Consumer Internet traffic in 2021.

Consumer Internet Video Traffic

- In Germany, Consumer Internet video traffic will grow 3.6-fold from 2016 to 2021, a compound annual growth rate of 29%.
- In Germany, Consumer Internet video traffic will reach 3.6 Exabytes per month in 2021, the equivalent of 908 million DVDs per month, or 1 million DVDs per hour.
- In Germany, Consumer Internet video traffic was 1.0 Exabytes per month in 2016, the equivalent of 251 million DVDs per month, or 344,465 DVDs per hour.
- Germany's Consumer Internet video traffic grew 33% in 2016.

- In Germany, Internet video traffic will be 82% of all consumer Internet traffic in 2021, up from 76% in 2016.
- Video exceeds half of Germany's consumer Internet traffic by year-end 2015 or earlier.
- In Germany, 110 billion minutes (208,629 years) of video content will cross the Internet each month in 2021. That's 41,726 minutes of video streamed or downloaded every second.
- 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.
- In Germany, 94 billion minutes of video content crossed the Internet each month in 2016, up from 89 billion in 2015.
- In Germany, Internet-Video-to-TV traffic will increase 3.7-fold between 2016 and 2021.
- In Germany, Internet-Video-to-TV traffic increased 1.5-fold in 2016.
- In Germany, Internet-Video-to-TV traffic will be 40% of consumer Internet video traffic in 2021, from 40% in 2016.

Consumer IP VOD Traffic

- In Germany, Consumer IP VOD traffic will grow 1.6-fold from 2016 to 2021, a compound annual growth rate of 10%.
- In Germany, Consumer IP VOD traffic will reach 619 Petabytes per month in 2021, the equivalent of 155 million DVDs per month, or 212,013 DVDs per hour.
- In Germany, Consumer IP VOD traffic was 384 Petabytes per month in 2016, the equivalent of 96 million DVDs per month, or 131,542 DVDs per hour.
- Germany's Consumer IP VOD traffic grew 26% in 2016.
- Germany's Consumer IP VOD traffic was 18% of total IP traffic in 2016, and will be 10% of total IP traffic in 2021.
- Germany's Consumer IP VOD traffic was 22% of Consumer IP traffic in 2016, and will be 12% of Consumer IP traffic in 2021.