



Mexico – 2021 Forecast Highlights

IP Traffic

- In Mexico, IP traffic will grow 3-fold from 2016 to 2021, a compound annual growth rate of 22%.
- In Mexico, IP traffic will reach 3.4 Exabytes per month in 2021, up from 1.3 Exabytes per month in 2016.
- Mexico's IP networks will carry 111 Petabytes per day in 2021, up from 42 Petabytes per day in 2016.
- In Mexico, IP traffic will reach an annual run rate of 40.6 Exabytes in 2021, up from an annual run rate of 15.2 Exabytes in 2016.
- In Mexico, IP traffic will reach 25 Gigabytes per capita in 2021, up from 10 Gigabytes per capita in 2016.
- In Mexico, average IP traffic will reach 10 Tbps in 2021, and busy hour traffic will reach 61 Tbps.
- In 2021, the gigabyte equivalent of all movies ever made will cross Mexico's IP networks every 2 hours.

Internet Traffic

- In Mexico, Internet traffic will grow 2.6-fold from 2016 to 2021, a compound annual growth rate of 21%.
- In Mexico, busy hour Internet traffic will grow 4.2-fold from 2016 to 2021, a compound annual growth rate of 33%.
- In Mexico, Internet traffic will reach 2.7 Exabytes per month in 2021, up from 1.0 Exabytes per month in 2016.
- Mexico's Internet traffic will be 89 Petabytes per day in 2021, up from 30 Petabytes per day in 2016.
- Mexico's Internet traffic in 2021 will be equivalent to 8 billion DVDs per year, 674 million DVDs per month, or 923,803 DVDs per hour.
- In 2021, the gigabyte equivalent of all movies ever made will cross the Internet every 2 hours.

- Mexican Internet traffic in 2021 will be equivalent to 477x the volume of the entire Mexican Internet in 2005.
- In Mexico, Internet traffic will reach 20 Gigabytes per capita in 2021, up from 8 Gigabytes per capita in 2016.
- In Mexico, average Internet traffic will increase 2.6-fold by 2021 and will reach 8 Tbps.
- In Mexico, busy hour Internet traffic will increase 4.2-fold by 2021 and will reach 49 Tbps.

Wired Wi-Fi and Mobile Growth

- Mexico's Fixed/Wi-Fi was 53% of total IP traffic in 2016, and will be 46% of total IP traffic in 2021.
- Mexico's Fixed/Wired was 42% of total IP traffic in 2016, and will be 40% of total IP traffic in 2021.
- Mexico's Mobile was 5% of total IP traffic in 2016, and will be 14% of total IP traffic in 2021.
- Mexico's Fixed/Wi-Fi was 63.5% of total Internet traffic in 2016, and will be 57.4% of total Internet traffic in 2021.
- Mexico's Fixed/Wired was 30% of total Internet traffic in 2016, and will be 25% of total Internet traffic in 2021.
- Mexico's Mobile was 6.4% of total Internet traffic in 2016, and will be 17.3% of total Internet traffic in 2021.
- In Mexico, mobile data traffic will grow 7-fold from 2016 to 2021, a compound annual growth rate of 48%.
- In Mexico, mobile data traffic will reach 467 Petabytes per month in 2021, up from 66 Petabytes per month in 2016.
- Mexican mobile data traffic will grow 2 times faster than Mexican fixed IP traffic from 2016 to 2021.
- Mexico's Mobile was 5% of total IP traffic in 2016, and will be 14% of total IP traffic in 2021.
- In Mexico, mobile data traffic in 2021 will be equivalent to 66x the volume of the entire Mexican Internet in 2005.

IP Video

- In Mexico, IP video traffic will grow 3-fold from 2016 to 2021, a compound annual growth rate of 25%.
- In Mexico, IP video traffic will reach 2.9 Exabytes per month in 2021, up from 932 Petabytes per month in 2016.
- In Mexico, IP video will be 86% of all IP traffic in 2021, up from 74% in 2016.
- In Mexico, Ultra HD will be 7.6% of IP Video traffic in 2021, up from 0.3% in 2016 (144.4% CAGR).
- In Mexico, HD will be 61.2% of IP Video traffic in 2021, up from 29.5% in 2016 (45.2% CAGR).
- In Mexico, SD will be 31.1% of IP Video traffic in 2021, compared to 70.2% in 2016 (6.6% CAGR).
- In Mexico, consumer IP video traffic will be 88% of consumer IP traffic in 2021, up from 77% in 2016.
- In Mexico, business IP video traffic will be 72% of business IP traffic in 2021, up from 52% in 2016.

Internet Video

- In Mexico, Internet video traffic will grow 3-fold from 2016 to 2021, a compound annual growth rate of 26%.
- In Mexico, Internet video traffic will reach 2.2 Exabytes per month in 2021, up from 713 Petabytes per month in 2016.
- In Mexico, total Internet video traffic (business and consumer, combined) will be 82% of all Internet traffic in 2021, up from 69% in 2016.
- In Mexico, Ultra HD will be 7.5% of Internet video traffic in 2021, up from 0.3% in 2016 (134.4% CAGR).
- In Mexico, HD will be 56.6% of Internet video traffic in 2021, up from 21.0% in 2016 (53.0% CAGR).

- In Mexico, SD will be 35.9% of Internet video traffic in 2021, compared to 78.7% in 2016 (7.3% CAGR).
- In Mexico, consumer Internet video traffic will be 85% of consumer Internet traffic in 2021, up from 72% in 2016.
- In Mexico, business Internet video traffic will be 72% of business Internet traffic in 2021, up from 53% in 2016.
- In Mexico, Internet-Video-to-TV traffic will be 29% of fixed consumer Internet video traffic in 2021, up from 13% in 2016.
- In Mexico, Internet-Video-to-TV traffic will increase 6-fold between 2016 and 2021 (42.2% CAGR).
- In Mexico, 30 billion minutes (56,737 years) of video content will cross the Internet each month in 2021. That's 11,347 minutes of video streamed or downloaded every second.
- In Mexico, 58% of all Internet video traffic will cross content delivery networks in 2021, up from 33% in 2016.
- In Mexico, 71.0% of all Internet video traffic will be long-form video (including live) in 2021, up from 52.4% in 2016.

IP VOD

- In Mexico, Ultra HD will be 8.4% of IP VOD traffic in 2021, up from 0.1% in 2016 (214.1% CAGR).
- In Mexico, HD will be 79.5% of IP VOD traffic in 2021, up from 60.1% in 2016 (32.7% CAGR).
- In Mexico, SD will be 12.1% of IP VOD traffic in 2021, compared to 39.8% in 2016 (-1.1% CAGR).

Gaming

- In Mexico, gaming traffic will grow 5-fold from 2016 to 2021, a compound annual growth rate of 38%.
- In Mexico, gaming traffic will reach 96 Petabytes per month in 2021, up from 19 Petabytes per month in 2016.
- In Mexico, gaming traffic will be 4% of consumer Internet traffic in 2021, up from 2% in 2016.

Devices

- In Mexico, there will be 384.9 million networked devices in 2021, up from 249.4 million in 2016.
- In Mexico, there will be 2.8 networked devices per capita in 2021, up from 1.9 per capita in 2016.
- In Mexico, 42% of all networked devices will be mobile-connected in 2021.
- In Mexico, M2M modules will account for 40% (155.3 million) of all networked devices in 2021, compared to 26% (64.8 million) in 2016, (19.1% CAGR).
- In Mexico, PCs will account for 7% (26.3 million) of all networked devices in 2021, compared to 14% (34.3 million) in 2016, (-5.2% CAGR).
- In Mexico, Tablets will account for 4% (14.0 million) of all networked devices in 2021, compared to 4% (8.9 million) in 2016, (9.5% CAGR).
- In Mexico, Smartphones will account for 25% (96.4 million) of all networked devices in 2021, compared to 23% (58.6 million) in 2016, (10.5% CAGR).
- In Mexico, Connected TVs will account for 19% (71.7 million) of all networked devices in 2021, compared to 13% (33.6 million) in 2016, (16.4% CAGR).
- In Mexico, Non-Smartphones will account for 4.5% (17.4 million) of all networked devices in 2021, compared to 19% (47.5 million) in 2016, (-18.2% CAGR).
- In Mexico, Other Portables will account for 1% (3.8 million) of all networked devices in 2021, compared to 1% (1.8 million) in 2016, (16% CAGR).

- In Mexico, 4K TVs will account for 36% (10.4 million) of all flat panel TVs in 2021, compared to 9.1% (805,740) in 2016, (66.9% CAGR).
- Mexico's IP traffic from non-PC devices was 37% of total IP traffic in 2016, and will be 74% of total IP traffic in 2021.
- In Mexico, PCs accounted for 63% of IP traffic in 2016, and will be 26% of IP traffic in 2021.
- In Mexico, TVs accounted for 22% of IP traffic in 2016, and will be 33% of IP traffic in 2021.
- In Mexico, Smartphones accounted for 10% of IP traffic in 2016, and will be 29% of IP traffic in 2021.
- In Mexico, Tablets accounted for 4% of IP traffic in 2016, and will be 9% of IP traffic in 2021.
- In Mexico, M2M modules accounted for 0.9% of IP traffic in 2016, and will be 3.3% of IP traffic in 2021.
- In Mexico, PCs accounted for 74% of consumer Internet traffic in 2016, and will be 29% of consumer Internet traffic in 2021.
- In Mexico, TVs accounted for 8% of consumer Internet traffic in 2016, and will be 21% of consumer Internet traffic in 2021.
- In Mexico, TVs accounted for 7% of total Internet traffic in 2016, and will be 17% of total Internet traffic in 2021.

Speed Evolution

- In Mexico, the average fixed broadband speed will grow 2.7-fold from 2016 to 2021, from 10.3 Mbps to 27.9 Mbps.
- In Mexico, 87% of fixed broadband connections will be faster than 5 Mbps in 2021, up from 61% today.
- In Mexico, 56% of fixed broadband connections will be faster than 10 Mbps in 2021, up from 34% today.
- In Mexico, 21.2% of fixed broadband connections will be faster than 25 Mbps in 2021, up from 12.5% today.
- In Mexico, 12.4% of fixed broadband connections will be faster than 50 Mbps in 2021, up from 8.0% today.
- In Mexico, the average Wi-Fi speeds from mobile devices will grow 2.1-fold from 2016 to 2021, from 8.2 Mbps to 17 Mbps.
- In Mexico, the average mobile connection speed will grow 3-fold from 2016 to 2021, reaching 11 Mbps in 2021.

Traffic per User and Household

- In Mexico, the average Internet user will generate 28.9 Gigabytes of Internet traffic per month in 2021, up 69% from 17.1 Gigabytes per month in 2016, a CAGR of 11%.
- In Mexico, the average Internet household will generate 94.4 Gigabytes of Internet traffic per month in 2021, up 65% from 57.2 Gigabytes per month in 2016, a CAGR of 11%.
- In Mexico, the average FTTx Internet household will generate 252.6 Gigabytes of Internet traffic per month in 2021, 130.2% more than other broadband households.
- In Mexico, the average FTTx Internet household generated 143.4 Gigabytes of Internet traffic per month in 2016, 148.6% more than other broadband households.
- In Mexico, there will be 3 million Internet households (15.0% of all Internet households) generating more than 250 Gigabytes per month in 2021.
- In Mexico, there will be 743,247 households (3.9% of all Internet households) generating more than 500 Gigabytes per month in 2021.

- In Mexico, there will be 148,649 households (0.8% of all Internet households) generating more than a terabyte per month in 2021.
- In Mexico, the average mobile connection will generate 3,737 Megabytes of mobile data traffic per month in 2021, up from 624 Megabytes in 2016.

Traffic Topology and Traffic Patterns

- In Mexico, 52% of all Internet traffic will cross content delivery networks in 2021, up from 25% in 2016.
- In Mexico, peak Internet traffic will grow at a compound annual growth rate of 33% from 2016 to 2021, compared to 21% for average Internet traffic.