



Latin America - 2020 Forecast Highlights

IP Traffic

- In Latin America, IP traffic will grow 3-fold from 2015 to 2020, a compound annual growth rate of 21%.
- In Latin America, IP traffic will reach 11.6 Exabytes per month in 2020, up from 4.5 Exabytes per month in 2015.
- Latin America's IP networks will carry 381 Petabytes per day in 2020, up from 148 Petabytes per day in 2015.
- In Latin America, IP traffic will reach an annual run rate of 139.1 Exabytes in 2020, up from an annual run rate of 54.0 Exabytes in 2015.
- In Latin America, IP traffic will reach 17 Gigabytes per capita in 2020, up from 7 Gigabytes per capita in 2015.
- In Latin America, average IP traffic will reach 35 Tbps in 2020, and busy hour traffic will reach 177 Tbps.
- In 2020, the gigabyte equivalent of all movies ever made will cross Latin America's IP networks every 30 minutes.

Internet Traffic

- In Latin America, Internet traffic will grow 2.5-fold from 2015 to 2020, a compound annual growth rate of 20%.
- In Latin America, busy hour Internet traffic will grow 4.1-fold from 2015 to 2020, a compound annual growth rate of 33%.
- In Latin America, Internet traffic will reach 9.9 Exabytes per month in 2020, up from 3.9 Exabytes per month in 2015.
- Latin America's Internet traffic will be 324 Petabytes per day in 2020, up from 130 Petabytes per day in 2015.
- Latin America's Internet traffic in 2020 will be equivalent to 30 billion DVDs per year, 2 billion DVDs per month, or 3 million DVDs per hour.

- In 2020, the gigabyte equivalent of all movies ever made will cross the Internet every 36 minutes.
- Latin American Internet traffic in 2020 will be equivalent to 304x the volume of the entire Latin American Internet in 2005.
- In Latin America, Internet traffic will reach 15 Gigabytes per capita in 2020, up from 6 Gigabytes per capita in 2015.
- In Latin America, average Internet traffic will increase 2.5-fold by 2020 and will reach 30 Tbps.
- In Latin America, busy hour Internet traffic will increase 4.1-fold by 2020 and will reach 151 Tbps.

Wired Wi-Fi and Mobile Growth

- Latin America's Fixed/Wi-Fi was 57% of total IP traffic in 2015, and will be 53% of total IP traffic in 2020.
- Latin America's Fixed/Wired was 37% of total IP traffic in 2015, and will be 29% of total IP traffic in 2020.
- Latin America's Mobile was 6% of total IP traffic in 2015, and will be 18% of total IP traffic in 2020.
- Latin America's Fixed/Wi-Fi was 62.8% of total Internet traffic in 2015, and will be 61.5% of total Internet traffic in 2020.
- Latin America's Fixed/Wired was 30% of total Internet traffic in 2015, and will be 17% of total Internet traffic in 2020.
- Latin America's Mobile was 7.0% of total Internet traffic in 2015, and will be 21.2% of total Internet traffic in 2020.

IP Video

- In Latin America, IP video traffic will grow 3-fold from 2015 to 2020, a compound annual growth rate of 27%.
- In Latin America, IP video traffic will reach 9.5 Exabytes per month in 2020, up from 2.9 Exabytes per month in 2015.
- In Latin America, IP video will be 82% of all IP traffic in 2020, up from 64% in 2015.
- In Latin America, Ultra HD will be 5.2% of IP Video traffic in 2020, up from 0.3% in 2015 (128.7% CAGR).
- In Latin America, HD will be 50.2% of IP Video traffic in 2020, up from 27.4% in 2015 (43.5% CAGR).
- In Latin America, SD will be 44.6% of IP Video traffic in 2020, compared to 72.4% in 2015 (15.4% CAGR).
- In Latin America, consumer IP video traffic will be 85% of consumer IP traffic in 2020, up from 70% in 2015.
- In Latin America, business IP video traffic will be 65% of business IP traffic in 2020, up from 42% in 2015.

Internet Video

- In Latin America, Internet video traffic will grow 3-fold from 2015 to 2020, a compound annual growth rate of 27%.
- In Latin America, Internet video traffic will reach 7.9 Exabytes per month in 2020, up from 2.4 Exabytes per month in 2015.
- In Latin America, total Internet video traffic (business and consumer, combined) will be 80% of all Internet traffic in 2020, up from 62% in 2015.
- In Latin America, Ultra HD will be 5.0% of Internet video traffic in 2020, up from 0.3% in 2015 (122.5% CAGR).

- In Latin America, HD will be 52.0% of Internet video traffic in 2020, up from 28.0% in 2015 (43.4% CAGR).
- In Latin America, SD will be 43.0% of Internet video traffic in 2020, compared to 71.7% in 2015 (14.4% CAGR).
- In Latin America, consumer Internet video traffic will be 83% of consumer Internet traffic in 2020, up from 66% in 2015.
- In Latin America, business Internet video traffic will be 66% of business Internet traffic in 2020, up from 44% in 2015.
- In Latin America, Internet-Video-to-TV traffic will be 16% of fixed consumer Internet video traffic in 2020, up from 8% in 2015.
- In Latin America, Internet-Video-to-TV traffic will increase 6-fold between 2015 and 2020 (41.6% CAGR).
- In Latin America, 314 billion minutes (597,508 years) of video content will cross the Internet each month in 2020. That's 119,502 minutes of video streamed or downloaded every second.
- In Latin America, 45% of all Internet video traffic will cross content delivery networks in 2020, up from 32% in 2015.
- In Latin America, 39% of all Internet traffic will cross content delivery networks in 2020, up from 22% in 2015.

IP VOD

- In Latin America, Ultra HD will be 6.4% of IP VOD traffic in 2020, up from 0.2% in 2015 (173.7% CAGR).
- In Latin America, HD will be 44.6% of IP VOD traffic in 2020, up from 28.0% in 2015 (44.1% CAGR).
- In Latin America, SD will be 49.1% of IP VOD traffic in 2020, compared to 71.9% in 2015 (21.6% CAGR).

Gaming

- In Latin America, Internet gaming traffic will grow 5-fold from 2015 to 2020, a compound annual growth rate of 40%.
- In Latin America, Internet gaming traffic will reach 7.9 Exabytes per month in 2020, up from 2.4 Exabytes per month in 2015.
- In Latin America, Internet gaming traffic will be 4% of consumer Internet traffic in 2020, up from 2% in 2015.

Mobile

- In Latin America, mobile data traffic will grow 8-fold from 2015 to 2020, a compound annual growth rate of 50%.
- In Latin America, mobile data traffic will reach 2.1 Exabytes per month in 2020, up from 276 Petabytes per month in 2015.
- Latin American mobile data traffic will grow 3 times faster than Latin American fixed IP traffic from 2015 to 2020.
- Latin America's Mobile was 6% of total IP traffic in 2015, and will be 18% of total IP traffic in 2020.
- In Latin America, mobile data traffic in 2020 will be equivalent to 55x the volume of the entire Latin American Internet in 2005.

Devices

- In Latin America, there will be 2.0 billion networked devices in 2020, up from 1.3 billion in 2015.
- In Latin America, there will be 3.0 networked devices per capita in 2020, up from 2.1 per capita in 2015.
- In Latin America, 52% of all networked devices will be mobile-connected in 2020.
- In Latin America, M2M modules will account for 33% (645.7 million) of all networked devices in 2020, compared to 20% (263.6 million) in 2015, (19.6% CAGR).
- In Latin America, PCs will account for 6% (124.4 million) of all networked devices in 2020, compared to 13% (170.6 million) in 2015, (-6.1% CAGR).
- In Latin America, Tablets will account for 3% (54.4 million) of all networked devices in 2020, compared to 2% (30.4 million) in 2015, (12.4% CAGR).
- In Latin America, Smartphones will account for 27% (533.8 million) of all networked devices in 2020, compared to 22% (288.2 million) in 2015, (13.1% CAGR).
- In Latin America, Connected TVs will account for 14% (284.0 million) of all networked devices in 2020, compared to 8% (104.6 million) in 2015, (22.1% CAGR).
- In Latin America, Non-Smartphones will account for 12.9% (253.4 million) of all networked devices in 2020, compared to 32% (415.8 million) in 2015, (-9.4% CAGR).
- In Latin America, Other Portables will account for 4% (71.1 million) of all networked devices in 2020, compared to 3% (36.9 million) in 2015, (14% CAGR).
- In Latin America, 4K TVs will account for 23% (35.4 million) of all flat panel TVs in 2020, compared to 3.4% (1.2 million) in 2015, (97.1% CAGR).
- Latin America's IP traffic from non-PC devices was 25% of total IP traffic in 2015, and will be 64% of total IP traffic in 2020.
- In Latin America, PCs accounted for 75% of IP traffic in 2015, and will be 36% of IP traffic in 2020.
- In Latin America, TVs accounted for 11% of IP traffic in 2015, and will be 19% of IP traffic in 2020.
- In Latin America, Smartphones accounted for 9% of IP traffic in 2015, and will be 33% of IP traffic in 2020.
- In Latin America, Tablets accounted for 4% of IP traffic in 2015, and will be 8% of IP traffic in 2020.
- In Latin America, M2M modules accounted for 0.8% of IP traffic in 2015, and will be 2.5% of IP traffic in 2020.
- In Latin America, PCs accounted for 79% of consumer Internet traffic in 2015, and will be 38% of consumer Internet traffic in 2020.
- In Latin America, TVs accounted for 4% of consumer Internet traffic in 2015, and will be 9% of consumer Internet traffic in 2020.
- In Latin America, TVs accounted for 3% of total Internet traffic in 2015, and will be 7% of total Internet traffic in 2020.

Speed Evolution

- In Latin America, the average fixed broadband speed will grow 2.3-fold from 2015 to 2020, from 7.6 Mbps to 17.8 Mbps.
- In Latin America, 66% of fixed broadband connections will be faster than 5 Mbps in 2020, up from 46% today.
- In Latin America, 39% of fixed broadband connections will be faster than 10 Mbps in 2020, up from 27% today.
- In Latin America, 15.5% of fixed broadband connections will be faster than 25 Mbps in 2020, up from 10.4% today.

- In Latin America, 9.4% of fixed broadband connections will be faster than 50 Mbps in 2020, up from 5.1% today.
- In Latin America, the average Wi-Fi speeds from mobile devices will grow 1.8-fold from 2015 to 2020, from 5.9 Mbps to 11 Mbps.
- In Latin America, the average mobile connection speed will grow 3-fold from 2015 to 2020, reaching 5 Mbps in 2020.

Traffic per User and Household

- In Latin America, the average Internet user will generate 28.0 gigabytes of Internet traffic per month in 2020, up 93% from 14.5 gigabytes per month in 2015, a CAGR of 14%.
- In Latin America, the average Internet household will generate 83.3 gigabytes of Internet traffic per month in 2020, up 92% from 43.3 gigabytes per month in 2015, a CAGR of 14%.
- In Latin America, the average FTTx Internet household will generate 168.3 gigabytes of Internet traffic per month in 2020, 128.2% more than other broadband households.
- In Latin America, the average FTTx Internet household generated 105.8 gigabytes of Internet traffic per month in 2015, 155.3% more than other broadband households.
- In Latin America, there will be 7 million Internet households (9.5% of all Internet households) generating more than 250 gigabytes per month in 2020.
- In Latin America, there will be 2 million households (2.3% of all Internet households) generating more than 500 gigabytes per month in 2020.
- In Latin America, there will be 745,580 households (1.0% of all Internet households) generating more than a terabyte per month in 2020.
- In Latin America, the average mobile connection will generate 2,374 megabytes of mobile data traffic per month in 2020, up from 374 megabytes in 2015.