



## Argentina - 2021 Forecast Highlights

### IP Traffic

- IP Traffic
- In Argentina, IP traffic will grow 3-fold from 2016 to 2021, a compound annual growth rate of 22%.
- In Argentina, IP traffic will reach 1.8 Exabytes per month in 2021, up from 666 Petabytes per month in 2016.
- Argentina's IP networks will carry 59 Petabytes per day in 2021, up from 22 Petabytes per day in 2016.
- In Argentina, IP traffic will reach an annual run rate of 21.4 Exabytes in 2021, up from an annual run rate of 8.0 Exabytes in 2016.
- In Argentina, IP traffic will reach 39 Gigabytes per capita in 2021, up from 15 Gigabytes per capita in 2016.
- In 2021, the gigabyte equivalent of all movies ever made will cross Argentina's IP networks every 3 hours.

### Internet Traffic

- In Argentina, Internet traffic will grow 2.7-fold from 2016 to 2021, a compound annual growth rate of 22%.
- In Argentina, Internet traffic will reach 1.6 Exabytes per month in 2021, up from 599 Petabytes per month in 2016.
- Argentina's Internet traffic will be 53 Petabytes per day in 2021, up from 20 Petabytes per day in 2016.
- Argentina's Internet traffic in 2021 will be equivalent to 5 billion DVDs per year, 399 million DVDs per month, or 546,951 DVDs per hour.
- In 2021, the gigabyte equivalent of all movies ever made will cross the Internet every 4 hours.
- Argentinian Internet traffic in 2021 will be equivalent to (n/a)x the volume of the entire Argentinian Internet in 2005.

- In Argentina, Internet traffic will reach 35 Gigabytes per capita in 2021, up from 14 Gigabytes per capita in 2016.
- In Argentina, average Internet traffic will increase 2.7-fold by 2021 and will reach 5 Tbps.

### Wired Wi-Fi and Mobile Growth

- Argentina's Fixed/Wi-Fi was 63% of total IP traffic in 2016, and will be 57% of total IP traffic in 2021.
- Argentina's Fixed/Wired was 31% of total IP traffic in 2016, and will be 23% of total IP traffic in 2021.
- Argentina's Mobile was 6% of total IP traffic in 2016, and will be 20% of total IP traffic in 2021.
- Argentina's Fixed/Wi-Fi was 67.3% of total Internet traffic in 2016, and will be 62.5% of total Internet traffic in 2021.
- Argentina's Fixed/Wired was 25% of total Internet traffic in 2016, and will be 15% of total Internet traffic in 2021.
- Argentina's Mobile was 7.2% of total Internet traffic in 2016, and will be 22.6% of total Internet traffic in 2021.
- In Argentina, mobile data traffic will grow 8-fold from 2016 to 2021, a compound annual growth rate of 53%.
- In Argentina, mobile data traffic will reach 361 Petabytes per month in 2021, up from 43 Petabytes per month in 2016.
- Argentinian mobile data traffic will grow 3 times faster than Argentinian fixed IP traffic from 2016 to 2021.
- Argentina's Mobile was 6% of total IP traffic in 2016, and will be 20% of total IP traffic in 2021.
- In Argentina, mobile data traffic in 2021 will be equivalent to (n/a)x the volume of the entire Argentinian Internet in 2005.

### IP Video

- In Argentina, IP video traffic will grow 4-fold from 2016 to 2021, a compound annual growth rate of 29%.
- In Argentina, IP video traffic will reach 1.5 Exabytes per month in 2021, up from 406 Petabytes per month in 2016.
- In Argentina, IP video will be 83% of all IP traffic in 2021, up from 61% in 2016.
- In Argentina, Ultra HD will be 4.3% of IP Video traffic in 2021, up from 0.1% in 2016 (163.9% CAGR).
- In Argentina, HD will be 43.4% of IP Video traffic in 2021, up from 16.4% in 2016 (57.2% CAGR).
- In Argentina, SD will be 52.3% of IP Video traffic in 2021, compared to 83.5% in 2016 (17.8% CAGR).
- In Argentina, consumer IP video traffic will be 85% of consumer IP traffic in 2021, up from 65% in 2016.
- In Argentina, business IP video traffic will be 67% of business IP traffic in 2021, up from 42% in 2016.

### Internet Video

- In Argentina, Internet video traffic will grow 4-fold from 2016 to 2021, a compound annual growth rate of 30%.
- In Argentina, Internet video traffic will reach 1.3 Exabytes per month in 2021, up from 353 Petabytes per month in 2016.
- In Argentina, total Internet video traffic (business and consumer, combined) will be 81% of all Internet traffic in 2021, up from 59% in 2016.
- In Argentina, Ultra HD will be 2.9% of Internet video traffic in 2021, up from 0.1% in 2016 (142.3% CAGR).
- In Argentina, HD will be 40.0% of Internet video traffic in 2021, up from 11.2% in 2016 (67.2% CAGR).
- In Argentina, SD will be 57.2% of Internet video traffic in 2021, compared to 88.6% in 2016 (18.9% CAGR).

- In Argentina, consumer Internet video traffic will be 84% of consumer Internet traffic in 2021, up from 62% in 2016.
- In Argentina, business Internet video traffic will be 68% of business Internet traffic in 2021, up from 44% in 2016.
- In Argentina, Internet-Video-to-TV traffic will be 20% of fixed consumer Internet video traffic in 2021, up from 12% in 2016.
- In Argentina, Internet-Video-to-TV traffic will increase 5-fold between 2016 and 2021 (37.8% CAGR).
- In Argentina, 15 billion minutes (28,659 years) of video content will cross the Internet each month in 2021. That's 5,732 minutes of video streamed or downloaded every second.
- In Argentina, 58% of all Internet video traffic will cross content delivery networks in 2021, up from 35% in 2016.
- In Argentina, 67.1% of all Internet video traffic will be long-form video (including live) in 2021, up from 50.4% in 2016.

### IP VOD

- In Argentina, Ultra HD will be 16.4% of IP VOD traffic in 2021, up from 0.1% in 2016 (253.7% CAGR).
- In Argentina, HD will be 75.1% of IP VOD traffic in 2021, up from 60.8% in 2016 (34.7% CAGR).
- In Argentina, SD will be 8.5% of IP VOD traffic in 2021, compared to 39.1% in 2016 (-4.8% CAGR).

### Gaming

- In Argentina, gaming traffic will grow 3-fold from 2016 to 2021, a compound annual growth rate of 22%.
- In Argentina, gaming traffic will reach 29 Petabytes per month in 2021, up from 11 Petabytes per month in 2016.
- In Argentina, gaming traffic will be 2% of consumer Internet traffic in 2021, up from 2% in 2016.

### Devices

- In Argentina, there will be 160.9 million networked devices in 2021, up from 115.5 million in 2016.
- In Argentina, there will be 3.5 networked devices per capita in 2021, up from 2.6 per capita in 2016.
- In Argentina, 53% of all networked devices will be mobile-connected in 2021.
- In Argentina, M2M modules will account for 39% (62.9 million) of all networked devices in 2021, compared to 23% (26.1 million) in 2016, (19.2% CAGR).
- In Argentina, PCs will account for 6% (10.0 million) of all networked devices in 2021, compared to 15% (17.3 million) in 2016, (-10.3% CAGR).
- In Argentina, Tablets will account for 2% (3.7 million) of all networked devices in 2021, compared to 2% (2.2 million) in 2016, (11.6% CAGR).
- In Argentina, Smartphones will account for 32% (51.0 million) of all networked devices in 2021, compared to 28% (32.8 million) in 2016, (9.2% CAGR).
- In Argentina, Connected TVs will account for 13% (20.5 million) of all networked devices in 2021, compared to 9% (9.9 million) in 2016, (15.7% CAGR).
- In Argentina, Non-Smartphones will account for 6.9% (11.1 million) of all networked devices in 2021, compared to 23% (26.5 million) in 2016, (-16% CAGR).
- In Argentina, Other Portables will account for 1% (1.7 million) of all networked devices in 2021, compared to 1% (784610) in 2016, (16.8% CAGR).

- In Argentina, 4K TVs will account for 47% (4.3 million) of all flat panel TVs in 2021, compared to 7.2% (275,554) in 2016, (73.6% CAGR).
- Argentina's IP traffic from non-PC devices was 29% of total IP traffic in 2016, and will be 77% of total IP traffic in 2021.
- In Argentina, PCs accounted for 71% of IP traffic in 2016, and will be 23% of IP traffic in 2021.
- In Argentina, TVs accounted for 11% of IP traffic in 2016, and will be 18% of IP traffic in 2021.
- In Argentina, Smartphones accounted for 13% of IP traffic in 2016, and will be 50% of IP traffic in 2021.
- In Argentina, Tablets accounted for 4% of IP traffic in 2016, and will be 6% of IP traffic in 2021.
- In Argentina, M2M modules accounted for 0.7% of IP traffic in 2016, and will be 2.9% of IP traffic in 2021.
- In Argentina, PCs accounted for 74% of consumer Internet traffic in 2016, and will be 21% of consumer Internet traffic in 2021.
- In Argentina, TVs accounted for 6% of consumer Internet traffic in 2016, and will be 12% of consumer Internet traffic in 2021.
- In Argentina, TVs accounted for 5% of total Internet traffic in 2016, and will be 10% of total Internet traffic in 2021.

### Speed Evolution

- In Argentina, 62% of fixed broadband connections will be faster than 5 Mbps in 2021, up from 43% today.
- In Argentina, 29% of fixed broadband connections will be faster than 10 Mbps in 2021, up from 17% today.
- In Argentina, 3.7% of fixed broadband connections will be faster than 25 Mbps in 2021, up from 3.3% today.
- In Argentina, 2.0% of fixed broadband connections will be faster than 50 Mbps in 2021, up from .6% today.
- In Argentina, the average Wi-Fi speeds from mobile devices will grow 2.1-fold from 2016 to 2021, from 5.1 Mbps to 11 Mbps.
- In Argentina, the average mobile connection speed will grow 4-fold from 2016 to 2021, reaching 14 Mbps in 2021.

### Traffic per User and Household

- In Argentina, the average Internet user will generate 53.7 Gigabytes of Internet traffic per month in 2021, up 80% from 29.8 Gigabytes per month in 2016, a CAGR of 12%.
- In Argentina, the average Internet household will generate 145.6 Gigabytes of Internet traffic per month in 2021, up 80% from 81.0 Gigabytes per month in 2016, a CAGR of 12%.
- In Argentina, the average FTTx Internet household will generate 388.8 Gigabytes of Internet traffic per month in 2021, 184.8% more than other broadband households.
- In Argentina, the average FTTx Internet household generated 251.0 Gigabytes of Internet traffic per month in 2016, 229.8% more than other broadband households.
- In Argentina, there will be 2 million Internet households (23.4% of all Internet households) generating more than 250 Gigabytes per month in 2021.
- In Argentina, there will be 439,385 households (6.4% of all Internet households) generating more than 500 Gigabytes per month in 2021.

- In Argentina, there will be 146,462 households (2.1% of all Internet households) generating more than a terabyte per month in 2021.
- In Argentina, the average mobile connection will generate 5,198 Megabytes of mobile data traffic per month in 2021, up from 684 Megabytes in 2016.

### Traffic Topology and Traffic Patterns

- In Argentina, 51% of all Internet traffic will cross content delivery networks in 2021, up from 24% in 2016.