



## Rest of Latin America - 2021 Forecast Highlights

### IP Traffic

- In the rest of Latin America, IP traffic will grow 3-fold from 2016 to 2021, a compound annual growth rate of 24%.
- In the rest of Latin America, IP traffic will reach 4.8 Exabytes per month in 2021, up from 1.7 Exabytes per month in 2016.
- The rest of Latin America's IP networks will carry 159 Petabytes per day in 2021, up from 55 Petabytes per day in 2016.
- In the rest of Latin America, IP traffic will reach an annual run rate of 58.1 Exabytes in 2021, up from an annual run rate of 20.2 Exabytes in 2016.
- In the rest of Latin America, IP traffic will reach 18 Gigabytes per capita in 2021, up from 7 Gigabytes per capita in 2016.
- In the rest of Latin America, average IP traffic will reach 15 Tbps in 2021, and busy hour traffic will reach 76 Tbps.
- In 2021, the gigabyte equivalent of all movies ever made will cross The rest of Latin America's IP networks every 1 hours.

### Internet Traffic

- In the rest of Latin America, Internet traffic will grow 2.9-fold from 2016 to 2021, a compound annual growth rate of 24%.
- In the rest of Latin America, busy hour Internet traffic will grow 4.6-fold from 2016 to 2021, a compound annual growth rate of 35%.

- In the rest of Latin America, Internet traffic will reach 4.5 Exabytes per month in 2021, up from 1.5 Exabytes per month in 2016.
- The rest of Latin America's Internet traffic will be 149 Petabytes per day in 2021, up from 50 Petabytes per day in 2016.
- The rest of Latin America's Internet traffic in 2021 will be equivalent to 14 billion DVDs per year, 1 billion DVDs per month, or 2 million DVDs per hour.
- In 2021, the gigabyte equivalent of all movies ever made will cross the Internet every 1 hours.
- the rest of Latin American Internet traffic in 2021 will be equivalent to 242x the volume of the entire the rest of Latin American Internet in 2005.
- In the rest of Latin America, Internet traffic will reach 17 Gigabytes per capita in 2021, up from 6 Gigabytes per capita in 2016.
- In the rest of Latin America, average Internet traffic will increase 2.9-fold by 2021 and will reach 14 Tbps.
- In the rest of Latin America, busy hour Internet traffic will increase 4.6-fold by 2021 and will reach 71 Tbps.

### Wired Wi-Fi and Mobile Growth

- The rest of Latin America's Fixed/Wi-Fi was 61% of total IP traffic in 2016, and will be 53% of total IP traffic in 2021.
- The rest of Latin America's Fixed/Wired was 27% of total IP traffic in 2016, and will be 17% of total IP traffic in 2021.
- The rest of Latin America's Mobile was 11% of total IP traffic in 2016, and will be 29% of total IP traffic in 2021.
- The rest of Latin America's Fixed/Wi-Fi was 64.2% of total Internet traffic in 2016, and will be 55.6% of total Internet traffic in 2021.
- The rest of Latin America's Fixed/Wired was 23% of total Internet traffic in 2016, and will be 13% of total Internet traffic in 2021.
- The rest of Latin America's Mobile was 12.4% of total Internet traffic in 2016, and will be 31.5% of total Internet traffic in 2021.
- In the rest of Latin America, mobile data traffic will grow 7-fold from 2016 to 2021, a compound annual growth rate of 49%.
- In the rest of Latin America, mobile data traffic will reach 1.4 Exabytes per month in 2021, up from 192 Petabytes per month in 2016.
- the rest of Latin American mobile data traffic will grow 3 times faster than the rest of Latin American fixed IP traffic from 2016 to 2021.
- The rest of Latin America's Mobile was 11% of total IP traffic in 2016, and will be 29% of total IP traffic in 2021.
- In the rest of Latin America, mobile data traffic in 2021 will be equivalent to 71x the volume of the entire the rest of Latin American Internet in 2005.

### IP Video

- In the rest of Latin America, IP video traffic will grow 4-fold from 2016 to 2021, a compound annual growth rate of 30%.
- In the rest of Latin America, IP video traffic will reach 3.9 Exabytes per month in 2021, up from 1.0 Exabytes per month in 2016.

- In the rest of Latin America, IP video will be 80% of all IP traffic in 2021, up from 61% in 2016.
- In the rest of Latin America, Ultra HD will be 6.4% of IP Video traffic in 2021, up from 0.2% in 2016 (159.8% CAGR).
- In the rest of Latin America, HD will be 45.2% of IP Video traffic in 2021, up from 18.3% in 2016 (56.1% CAGR).
- In the rest of Latin America, SD will be 48.5% of IP Video traffic in 2021, compared to 81.4% in 2016 (17.5% CAGR).
- In the rest of Latin America, consumer IP video traffic will be 83% of consumer IP traffic in 2021, up from 66% in 2016.
- In the rest of Latin America, business IP video traffic will be 67% of business IP traffic in 2021, up from 45% in 2016.

### Internet Video

- In the rest of Latin America, Internet video traffic will grow 4-fold from 2016 to 2021, a compound annual growth rate of 31%.
- In the rest of Latin America, Internet video traffic will reach 3.6 Exabytes per month in 2021, up from 931 Petabytes per month in 2016.
- In the rest of Latin America, total Internet video traffic (business and consumer, combined) will be 79% of all Internet traffic in 2021, up from 60% in 2016.
- In the rest of Latin America, Ultra HD will be 6.7% of Internet video traffic in 2021, up from 0.2% in 2016 (158.6% CAGR).
- In the rest of Latin America, HD will be 43.8% of Internet video traffic in 2021, up from 16.2% in 2016 (59.7% CAGR).
- In the rest of Latin America, SD will be 49.5% of Internet video traffic in 2021, compared to 83.6% in 2016 (17.9% CAGR).
- In the rest of Latin America, consumer Internet video traffic will be 82% of consumer Internet traffic in 2021, up from 64% in 2016.
- In the rest of Latin America, business Internet video traffic will be 68% of business Internet traffic in 2021, up from 47% in 2016.
- In the rest of Latin America, Internet-Video-to-TV traffic will be 15% of fixed consumer Internet video traffic in 2021, up from 10% in 2016.
- In the rest of Latin America, Internet-Video-to-TV traffic will increase 4-fold between 2016 and 2021 (35.1% CAGR).
- In the rest of Latin America, 152 billion minutes (289,230 years) of video content will cross the Internet each month in 2021. That's 57,846 minutes of video streamed or downloaded every second.
- In the rest of Latin America, 58% of all Internet video traffic will cross content delivery networks in 2021, up from 34% in 2016.
- In the rest of Latin America, 61.4% of all Internet video traffic will be long-form video (including live) in 2021, up from 48.8% in 2016.

## IP VOD

- In the rest of Latin America, Ultra HD will be 3.3% of IP VOD traffic in 2021, up from 0.0% in 2016 (269.8% CAGR).
- In the rest of Latin America, HD will be 80.9% of IP VOD traffic in 2021, up from 56.6% in 2016 (36.3% CAGR).
- In the rest of Latin America, SD will be 15.8% of IP VOD traffic in 2021, compared to 43.4% in 2016 (3.7% CAGR).

## Gaming

- In the rest of Latin America, gaming traffic will grow 4-fold from 2016 to 2021, a compound annual growth rate of 32%.
- In the rest of Latin America, gaming traffic will reach 104 Petabytes per month in 2021, up from 26 Petabytes per month in 2016.
- In the rest of Latin America, gaming traffic will be 3% of consumer Internet traffic in 2021, up from 2% in 2016.

## Devices

- In the rest of Latin America, there will be 690.2 million networked devices in 2021, up from 472.5 million in 2016.
- In the rest of Latin America, there will be 2.5 networked devices per capita in 2021, up from 1.8 per capita in 2016.
- In the rest of Latin America, 55% of all networked devices will be mobile-connected in 2021.
- In the rest of Latin America, M2M modules will account for 37% (255.4 million) of all networked devices in 2021, compared to 22% (106.1 million) in 2016, (19.2% CAGR).
- In the rest of Latin America, PCs will account for 6% (41.9 million) of all networked devices in 2021, compared to 11% (53.1 million) in 2016, (-4.6% CAGR).
- In the rest of Latin America, Tablets will account for 3% (21.5 million) of all networked devices in 2021, compared to 3% (12.9 million) in 2016, (10.7% CAGR).
- In the rest of Latin America, Smartphones will account for 34% (233.0 million) of all networked devices in 2021, compared to 23% (110.6 million) in 2016, (16.1% CAGR).
- In the rest of Latin America, Connected TVs will account for 10% (69.2 million) of all networked devices in 2021, compared to 6% (29.3 million) in 2016, (18.8% CAGR).
- In the rest of Latin America, Non-Smartphones will account for 9.0% (61.9 million) of all networked devices in 2021, compared to 33% (157.8 million) in 2016, (-17.1% CAGR).
- In the rest of Latin America, Other Portables will account for 1% (7.3 million) of all networked devices in 2021, compared to 1% (2.7 million) in 2016, (22.5% CAGR).
- In the rest of Latin America, 4K TVs will account for 22% (8.8 million) of all flat panel TVs in 2021, compared to 5.3% (697,440) in 2016, (65.9% CAGR).
- The rest of Latin America's IP traffic from non-PC devices was 31% of total IP traffic in 2016, and will be 72% of total IP traffic in 2021.
- In the rest of Latin America, PCs accounted for 69% of IP traffic in 2016, and will be 28% of IP traffic in 2021.
- In the rest of Latin America, TVs accounted for 7% of IP traffic in 2016, and will be 10% of IP traffic in 2021.
- In the rest of Latin America, Smartphones accounted for 17% of IP traffic in 2016, and will be 49% of IP traffic in 2021.

- In the rest of Latin America, Tablets accounted for 6% of IP traffic in 2016, and will be 8% of IP traffic in 2021.
- In the rest of Latin America, M2M modules accounted for 1.4% of IP traffic in 2016, and will be 4.2% of IP traffic in 2021.
- In the rest of Latin America, PCs accounted for 67% of consumer Internet traffic in 2016, and will be 23% of consumer Internet traffic in 2021.
- In the rest of Latin America, TVs accounted for 5% of consumer Internet traffic in 2016, and will be 8% of consumer Internet traffic in 2021.
- In the rest of Latin America, TVs accounted for 4% of total Internet traffic in 2016, and will be 6% of total Internet traffic in 2021.

### Speed Evolution

- In the rest of Latin America, the average fixed broadband speed will grow 1.9-fold from 2016 to 2021, from 6.6 Mbps to 12.3 Mbps.
- In the rest of Latin America, 52% of fixed broadband connections will be faster than 5 Mbps in 2021, up from 37% today.
- In the rest of Latin America, 30% of fixed broadband connections will be faster than 10 Mbps in 2021, up from 19% today.
- In the rest of Latin America, 9.2% of fixed broadband connections will be faster than 25 Mbps in 2021, up from 3.5% today.
- In the rest of Latin America, 2.4% of fixed broadband connections will be faster than 50 Mbps in 2021, up from 1.4% today.
- In the rest of Latin America, the average Wi-Fi speeds from mobile devices will grow 1.6-fold from 2016 to 2021, from 5.3 Mbps to 9 Mbps.
- In the rest of Latin America, the average mobile connection speed will grow 5-fold from 2016 to 2021, reaching 11 Mbps in 2021.

### Traffic per User and Household

- In the rest of Latin America, the average Internet user will generate 27.9 Gigabytes of Internet traffic per month in 2021, up 69% from 16.5 Gigabytes per month in 2016, a CAGR of 11%.
- In the rest of Latin America, the average Internet household will generate 89.8 Gigabytes of Internet traffic per month in 2021, up 69% from 53.0 Gigabytes per month in 2016, a CAGR of 11%.
- In the rest of Latin America, the average FTTx Internet household will generate 241.8 Gigabytes of Internet traffic per month in 2021, 133.3% more than other broadband households.
- In the rest of Latin America, the average FTTx Internet household generated 117.9 Gigabytes of Internet traffic per month in 2016, 144.5% more than other broadband households.
- In the rest of Latin America, there will be 4 million Internet households (13.5% of all Internet households) generating more than 250 Gigabytes per month in 2021.
- In the rest of Latin America, there will be 859,534 households (3.3% of all Internet households) generating more than 500 Gigabytes per month in 2021.
- In the rest of Latin America, there will be 205,966 households (0.8% of all Internet households) generating more than a terabyte per month in 2021.

- In the rest of Latin America, the average mobile connection will generate 4,764 Megabytes of mobile data traffic per month in 2021, up from 755 Megabytes in 2016.

### Traffic Topology and Traffic Patterns

- In the rest of Latin America, 50% of all Internet traffic will cross content delivery networks in 2021, up from 23% in 2016.
- In the rest of Latin America, peak Internet traffic will grow at a compound annual growth rate of 35% from 2016 to 2021, compared to 24% for average Internet traffic.