



## Indonesia - Consumer Highlights

### Consumer IP Traffic

- In Indonesia, Consumer IP traffic will grow 5-fold from 2016 to 2021, a compound annual growth rate of 39%.
- In Indonesia, Consumer IP traffic will reach 2.9 Exabytes per month in 2021, the equivalent of 713 million DVDs per month, or 976,684 DVDs per hour.
- In Indonesia, Consumer IP traffic was 556 Petabytes per month in 2016, the equivalent of 139 million DVDs per month, or 190,350 DVDs per hour.
- Indonesia's Consumer IP traffic grew 62% in 2016.
- Indonesia's Consumer IP traffic was 86% of total IP traffic in 2016, and will be 92% of total IP traffic in 2021.

### Consumer Internet Traffic

- In Indonesia, Consumer Internet traffic will grow 5-fold from 2016 to 2021, a compound annual growth rate of 38%.
- In Indonesia, Consumer Internet traffic will reach 2.8 Exabytes per month in 2021, the equivalent of 691 million DVDs per month, or 946,888 DVDs per hour.
- In Indonesia, Consumer Internet traffic was 543 Petabytes per month in 2016, the equivalent of 136 million DVDs per month, or 186,103 DVDs per hour.
- Indonesia's Consumer Internet traffic grew 61% in 2016.
- Indonesia's Consumer Internet traffic was 85% of total IP traffic in 2016, and will be 89% of total IP traffic in 2021.

- Indonesia's Consumer Internet traffic was 98% of Consumer IP traffic in 2016, and will be 97% of Consumer IP traffic in 2021.
- In Indonesia, 32% of Consumer Internet traffic was mobile in 2016, and 52% of Consumer Internet traffic will be mobile in 2021.

### Consumer Fixed Internet Traffic

- In Indonesia, Consumer fixed Internet traffic will grow 4-fold from 2016 to 2021, a compound annual growth rate of 29%.
- In Indonesia, Consumer fixed Internet traffic will reach 1.3 Exabytes per month in 2021, the equivalent of 330 million DVDs per month, or 452,289 DVDs per hour.
- In Indonesia, Consumer fixed Internet traffic was 370 Petabytes per month in 2016, the equivalent of 92 million DVDs per month, or 126,699 DVDs per hour.
- Indonesia's consumer fixed Internet traffic grew 39% in 2016.
- Indonesia's consumer fixed Internet traffic was 58% of total IP traffic in 2016, and will be 43% of total IP traffic in 2021.
- Indonesia's consumer fixed Internet traffic was 67% of Consumer IP traffic in 2016, and will be 46% of Consumer IP traffic in 2021.

### Consumer Mobile Traffic

- In Indonesia, Consumer mobile data traffic will grow 8-fold from 2016 to 2021, a compound annual growth rate of 53%.
- In Indonesia, Consumer mobile data traffic will reach 1.4 Exabytes per month in 2021, the equivalent of 361 million DVDs per month, or 494,599 DVDs per hour.
- In Indonesia, Consumer mobile data traffic was 173 Petabytes per month in 2016, the equivalent of 43 million DVDs per month, or 59,404 DVDs per hour.
- Indonesia's Consumer mobile data traffic grew 143% in 2016.
- Indonesia's Consumer mobile data traffic was 27.0% of total IP traffic in 2016, and will be 46% of total IP traffic in 2021.
- Indonesia's Consumer mobile data traffic was 31.2% of Consumer IP traffic in 2016, and will be 51% of Consumer IP traffic in 2021.
- Indonesia's Consumer mobile data traffic was 32% of Consumer Internet traffic in 2016, and will be 52% of Consumer Internet traffic in 2021.

### Consumer Internet Video Traffic

- In Indonesia, Consumer Internet video traffic will grow 7.1-fold from 2016 to 2021, a compound annual growth rate of 48%.
- In Indonesia, Consumer Internet video traffic will reach 2.1 Exabytes per month in 2021, the equivalent of 518 million DVDs per month, or 709,270 DVDs per hour.
- In Indonesia, Consumer Internet video traffic was 290 Petabytes per month in 2016, the equivalent of 72 million DVDs per month, or 99,248 DVDs per hour.

- Indonesia's Consumer Internet video traffic grew 80% in 2016.
- In Indonesia, Internet video traffic will be 75% of all consumer Internet traffic in 2021, up from 53% in 2016.
- Video exceeds half of Indonesia's consumer Internet traffic by year-end 2016.
- In Indonesia, 8 billion minutes (14,361 years) of video content will cross the Internet each month in 2021. That's 2,872 minutes of video streamed or downloaded every second.
- In Indonesia, 6 billion minutes (11,664 years) of video content crossed the Internet each month in 2016. That's 2,333 minutes of video streamed or downloaded every second.
- In Indonesia, 6 billion minutes of video content crossed the Internet each month in 2016, up from 6 billion in 2015.
- In Indonesia, Internet-Video-to-TV traffic will increase 6.7-fold between 2016 and 2021.
- In Indonesia, Internet-Video-to-TV traffic increased 1.5-fold in 2016.
- In Indonesia, Internet-Video-to-TV traffic will be 7% of consumer Internet video traffic in 2021, from 7% in 2016.

### Consumer IP VOD Traffic

- In Indonesia, Consumer IP VOD traffic will grow 7.0-fold from 2016 to 2021, a compound annual growth rate of 48%.
- In Indonesia, Consumer IP VOD traffic will reach 87 Petabytes per month in 2021, the equivalent of 22 million DVDs per month, or 29,796 DVDs per hour.
- In Indonesia, Consumer IP VOD traffic was 12 Petabytes per month in 2016, the equivalent of 3 million DVDs per month, or 4,247 DVDs per hour.
- Indonesia's Consumer IP VOD traffic grew 78% in 2016.
- Indonesia's Consumer IP VOD traffic was 2% of total IP traffic in 2016, and will be 3% of total IP traffic in 2021.
- Indonesia's Consumer IP VOD traffic was 2% of Consumer IP traffic in 2016, and will be 3% of Consumer IP traffic in 2021.