



South Africa - Device Growth Traffic Profiles

2021 Forecast

- In South Africa, there will be 46 million total Internet users (80% of population) in 2021, up from 26 million (47% of population) in 2016.
- In South Africa, there will be 164.8 million networked devices in 2021, up from 119.2 million in 2016.
- In South Africa, there will be 2.9 networked devices per capita in 2021, up from 2.2 per capita in 2016.
- In South Africa, 68% of all networked devices will be mobile-connected in 2021.
- In South Africa, M2M modules will account for 28% (46.1 million) of all networked devices in 2021, compared to 14% (16.9 million) in 2016, (22.3% CAGR).
- In South Africa, PCs will account for 6% (10.3 million) of all networked devices in 2021, compared to 11% (12.9 million) in 2016, (-4.5% CAGR).
- In South Africa, Tablets will account for 4% (6.8 million) of all networked devices in 2021, compared to 4% (4.6 million) in 2016, (8.3% CAGR).
- In South Africa, Smartphones will account for 45% (73.8 million) of all networked devices in 2021, compared to 27% (32.7 million) in 2016, (17.6% CAGR).
- In South Africa, Connected TVs will account for 8% (13.5 million) of all networked devices in 2021, compared to 6% (6.8 million) in 2016, (14.9% CAGR).
- In South Africa, M2M modules will average 0.660 GB per month, up from 0.222 GB in 2016.
- In South Africa, Smartphones will average 5.5 GB per month, up from 1.1 GB in 2016.
- In South Africa, Tablets will average 8.3 GB per month, up from 2.1 GB in 2016.
- In South Africa, PCs will average 40.7 GB per month, up from 20.6 GB in 2016.
- In South Africa, Connected 4K TVs will average 3.3 GB per month, up from 0.1 GB in 2016.

- In South Africa, Non-Smartphones will account for 7.8% (12.8 million) of all networked devices in 2021, compared to 37% (44.6 million) in 2016, (-22% CAGR).
- In South Africa, Other Portables will account for 1% (1.4 million) of all networked devices in 2021, compared to 1% (732145) in 2016, (14.1% CAGR).
- In South Africa, 4K TVs will account for 65% (3.3 million) of all flat panel TVs in 2021, compared to 14.5% (287,263) in 2016, (63% CAGR).

2016 Review

- In South Africa, there were 119.2 million networked devices in 2016, up from 118.1 million in 2015.
- In South Africa, there were 2.2 networked devices per capita in 2016, up from 2.2 per capita in 2015.

Device Diversity

- South Africa's IP traffic from non-PC devices was 25% of total IP traffic in 2016, and will be 61% of total IP traffic in 2021.
- South Africa's Internet traffic from non-PC devices was 22% of total Internet traffic in 2016, and will be 60% of total Internet traffic in 2021.
- In South Africa, PCs accounted for 75% of IP traffic in 2016, and will be 39% of IP traffic in 2021.
- In South Africa, TVs accounted for 11% of IP traffic in 2016, and will be 14% of IP traffic in 2021.
- In South Africa, Smartphones accounted for 10% of IP traffic in 2016, and will be 38% of IP traffic in 2021.
- In South Africa, Tablets accounted for 3% of IP traffic in 2016, and will be 5% of IP traffic in 2021.
- In South Africa, M2M modules accounted for 1.1% of IP traffic in 2016, and will be 2.9% of IP traffic in 2021.
- In South Africa, PCs accounted for 69% of consumer Internet traffic in 2016, and will be 31% of consumer Internet traffic in 2021.
- In South Africa, TVs accounted for 9% of consumer Internet traffic in 2016, and will be 10% of consumer Internet traffic in 2021.
- In South Africa, TVs accounted for 6% of total Internet traffic in 2016, and will be 8% of total Internet traffic in 2021.

Average Traffic per Mobile Device

- In South Africa, the average smartphone will generate 3,134 Megabytes of mobile data traffic per month in 2021, up from 646 Megabytes per month in 2016.
- In South Africa, the average mobile-connected laptop will generate 3,426 Megabytes of mobile data traffic per month in 2021, up from 1,766 Megabytes per month in 2016.
- In South Africa, the average mobile-connected tablet will generate 3,309 Megabytes of mobile data traffic per month in 2021, up from 929 Megabytes per month in 2016.