



China - Device Growth Traffic Profiles

2021 Forecast

- In China, there will be 1.0 billion total Internet users (73% of population) in 2021, up from 742 million (54% of population) in 2016.
- In China, there will be 5.5 billion networked devices in 2021, up from 3.5 billion in 2016.
- In China, there will be 3.9 networked devices per capita in 2021, up from 2.5 per capita in 2016.
- In China, 37% of all networked devices will be mobile-connected in 2021.
- In China, M2M modules will account for 55% (3.0 billion) of all networked devices in 2021, compared to 40% (1.4 billion) in 2016, (16.8% CAGR).
- In China, PCs will account for 4% (246.7 million) of all networked devices in 2021, compared to 8% (274.8 million) in 2016, (-2.1% CAGR).
- In China, Tablets will account for 2% (130.9 million) of all networked devices in 2021, compared to 3% (107.9 million) in 2016, (4% CAGR).
- In China, Smartphones will account for 21% (1.1 billion) of all networked devices in 2021, compared to 25% (893.7 million) in 2016, (5.1% CAGR).
- In China, Connected TVs will account for 16% (859.6 million) of all networked devices in 2021, compared to 15% (519.2 million) in 2016, (10.6% CAGR).
- In China, M2M modules will average 0.980 GB per month, up from 0.266 GB in 2016.
- In China, Smartphones will average 18.6 GB per month, up from 2.3 GB in 2016.
- In China, Tablets will average 19.7 GB per month, up from 7.0 GB in 2016.
- In China, PCs will average 47.8 GB per month, up from 27.1 GB in 2016.

- In China, Connected 4K TVs will average 15.6 GB per month, up from 2.5 GB in 2016.
- In China, Non-Smartphones will account for 1.2% (64.4 million) of all networked devices in 2021, compared to 8% (297.7 million) in 2016, (-26.4% CAGR).
- In China, Other Portables will account for 1% (33.7 million) of all networked devices in 2021, compared to 1% (17.6 million) in 2016, (13.8% CAGR).
- In China, 4K TVs will account for 61% (207.5 million) of all flat panel TVs in 2021, compared to 20.9% (35.5 million) in 2016, (42.4% CAGR).

2016 Review

- In China, there were 3.5 billion networked devices in 2016, up from 3.2 billion in 2015.
- In China, there were 2.5 networked devices per capita in 2016, up from 2.3 per capita in 2015.

Device Diversity

- China's IP traffic from non-PC devices was 56% of total IP traffic in 2016, and will be 78% of total IP traffic in 2021.
- China's Internet traffic from non-PC devices was 40% of total Internet traffic in 2016, and will be 75% of total Internet traffic in 2021.
- In China, PCs accounted for 44% of IP traffic in 2016, and will be 22% of IP traffic in 2021.
- In China, TVs accounted for 37% of IP traffic in 2016, and will be 29% of IP traffic in 2021.
- In China, Smartphones accounted for 12% of IP traffic in 2016, and will be 39% of IP traffic in 2021.
- In China, Tablets accounted for 4% of IP traffic in 2016, and will be 5% of IP traffic in 2021.
- In China, M2M modules accounted for 2.2% of IP traffic in 2016, and will be 5.4% of IP traffic in 2021.
- In China, PCs accounted for 52% of consumer Internet traffic in 2016, and will be 19% of consumer Internet traffic in 2021.
- In China, TVs accounted for 16% of consumer Internet traffic in 2016, and will be 14% of consumer Internet traffic in 2021.
- In China, TVs accounted for 12% of total Internet traffic in 2016, and will be 12% of total Internet traffic in 2021.

Average Traffic per Mobile Device

- In China, the average smartphone will generate 7,333 Megabytes of mobile data traffic per month in 2021, up from 992 Megabytes per month in 2016.
- In China, the average mobile-connected laptop will generate 3,758 Megabytes of mobile data traffic per month in 2021, up from 1,584 Megabytes per month in 2016.
- In China, the average mobile-connected tablet will generate 5,965 Megabytes of mobile data traffic per month in 2021, up from 2,105 Megabytes per month in 2016.