VNI Complete Forecast Highlights

United States	Internet Users: % of Population	Devices and Connections per Capita

Internet Users: % of Population
91.9% (2017) → 94.3% (2022)

Devices and Connections per Capita
8.1 (2017) → 13.6 (2022)

Average Speeds
46.2 Mbps (2017) → 100.5 Mbps (2022)

Average Traffic per Capita per Month
120.2 GB (2017) → 304.6 GB (2022)

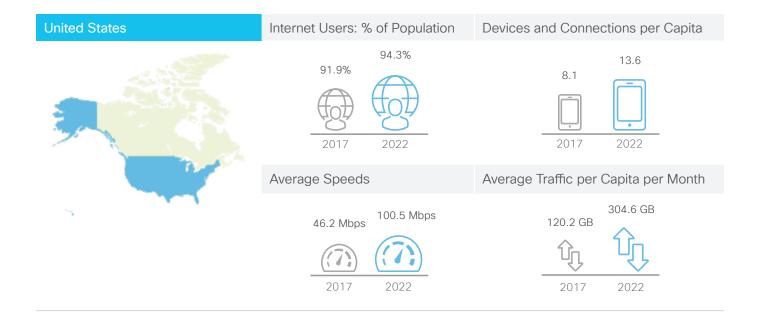## United States – Device Growth Traffic Profiles

2022 Forecast

- In the United States, there will be 317 million total Internet users (94% of population) by 2022, up from 298 million (92% of population) in 2017.

- In the United States, there will be 238 million fixed Internet users (excluding mobile-only) by 2022, up from 227 million in 2017.

- In the United States, there will be 4.6 billion networked devices by 2022, up from 2.6 billion in 2017.

- In the United States, there will be 13.6 networked devices per capita by 2022, up from 8.1 per capita in 2017.

- In the United States, 23% of all networked devices will be mobile-connected by 2022.

- In the United States, M2M modules will account for 64% (2.9 billion) of all networked devices by 2022, compared to 47% (1.2 billion) in 2017, (18.8% CAGR).

- In the United States, PCs will account for 6% (283.7 million) of all networked devices by 2022, compared to 11% (292.5 million) in 2017, (-0.6% CAGR).

- In the United States, tablets will account for 3% (126.5 million) of all networked devices by 2022, compared to 5% (125.5 million) in 2017, (0.2% CAGR).

- In the United States, smartphones will account for 7% (318.9 million) of all networked devices by 2022, compared to 9% (247.6 million) in 2017, (5.2% CAGR).

- In the United States, connected TVs will account for 15% (678.9 million) of all networked devices by 2022, compared to 22% (572.5 million) in 2017, (3.5% CAGR).

- In the United States, M2M modules will average 2.0 GB per month, up from 0.8 GB in 2017.

- In the United States, smartphones will average 65.6 GB per month, up from 12.6 GB in 2017.

- In the United States, tablets will average 61.0 GB per month, up from 16.0 GB in 2017.

- In the United States, PCs will average 86.7 GB per month, up from 47.2 GB in 2017.

- In the United States, connected 4K TVs will average 49.6 GB per month, up from 6.2 GB in 2017.

- In the United States, non-smartphones will account for 0.1% (3.6 million) of all networked devices by 2022, compared to 2% (52.1 million) in 2017, (–41.3% CAGR).

- In the United States, other portables will account for 5% (239.6 million) of all networked devices by 2022, compared to 4% (107.4 million) in 2017, (17.4% CAGR).

- In the United States, 4K TVs will account for 76% (142.6 million) of all flat panel TVs by 2022, compared to 28.4% (33.5 million) in 2017, (33.6% CAGR).

2017 Review

- In the United States, there were 2.6 billion networked devices in 2017, up from 2.4 billion in 2016.

- In the United States, there were 8.1 networked devices per capita in 2017, up from 7.3 per capita in 2016.

Device Diversity

- The United States's IP traffic from non-PC devices was 65% of total IP traffic in 2017, and will be 76% of total IP traffic by 2022.

- The United States's Internet traffic from non-PC devices was 55% of total Internet traffic in 2017, and will be 74% of total Internet traffic by 2022.

- In the United States, PCs accounted for 35% of IP traffic in 2017, and will be 24% of IP traffic by 2022.

- In the United States, TVs accounted for 49% of IP traffic in 2017, and will be 42% of IP traffic by 2022.

- In the United States, smartphones accounted for 8% of IP traffic in 2017, and will be 20% of IP traffic by 2022.

- In the United States, tablets accounted for 5% of IP traffic in 2017, and will be 8% of IP traffic by 2022.

- In the United States, M2M modules accounted for 2.7% of IP traffic in 2017, and will be 5.8% of IP traffic by 2022.

- In the United States, PCs accounted for 41% of consumer Internet traffic in 2017, and will be 23% of consumer Internet traffic by 2022.

- In the United States, TVs accounted for 39% of consumer Internet traffic in 2017, and will be 40% of consumer Internet traffic by 2022.

- In the United States, TVs accounted for 33% of total Internet traffic in 2017, and will be 33% of total Internet traffic by 2022.

Average Traffic per Mobile Device

- In the United States, the average smartphone will generate 15.3 gigabytes of mobile data traffic per month by 2022, up from 4.0 gigabytes per month in 2017.

- In the United States, the average mobile-connected laptop will generate 7.3 gigabytes of mobile data traffic per month by 2022, up from 4.0 gigabytes per month in 2017.

- In the United States, the average mobile-connected tablet will generate 8.4 gigabytes of mobile data traffic per month by 2022, up from 3.5 gigabytes per month in 2017.