

The evolution of Mobile Communications

Since the first mobile call was made in April 1973, mobile communications have evolved a lot thanks to technology advancements. With the development a new 5G network in working progress, Shape Networks takes this opportunity to retrace the history of Mobile Communications Services.

GENERATIONS

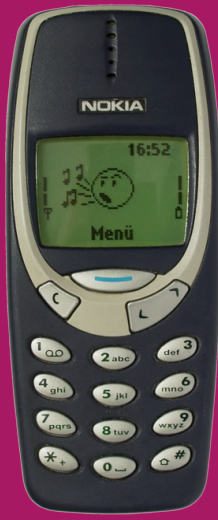
1st Generation

Year: 1980s

Standards: AWPS TACS

Technology: Analog

1G



2G

2nd Generation

Year: 1991

Standards: GSM, GPRS, EDGE

Technology: Digital

Bandwidth : Narrow Band

Data rates: <80-100Kbit/s

3rd Generation

Year: 2001

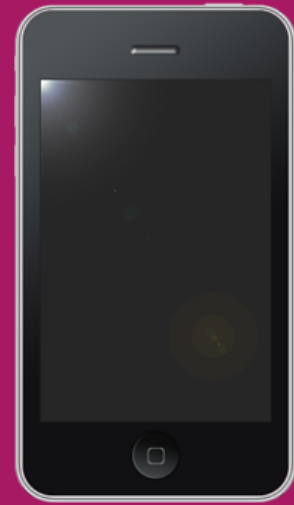
Standards: UMTS/HSPA

Technology: Digital

Bandwidth: Broad Band

Data rates: 1p to 2Mbp/s

3G



4G

4th Generation

Year: 2010

Standards: LTE, LTE Advanced

Bandwidth : Mobile Broad Band

Data rates: Up to 100Mbp/s



5th Generation

Year: Circa 2020

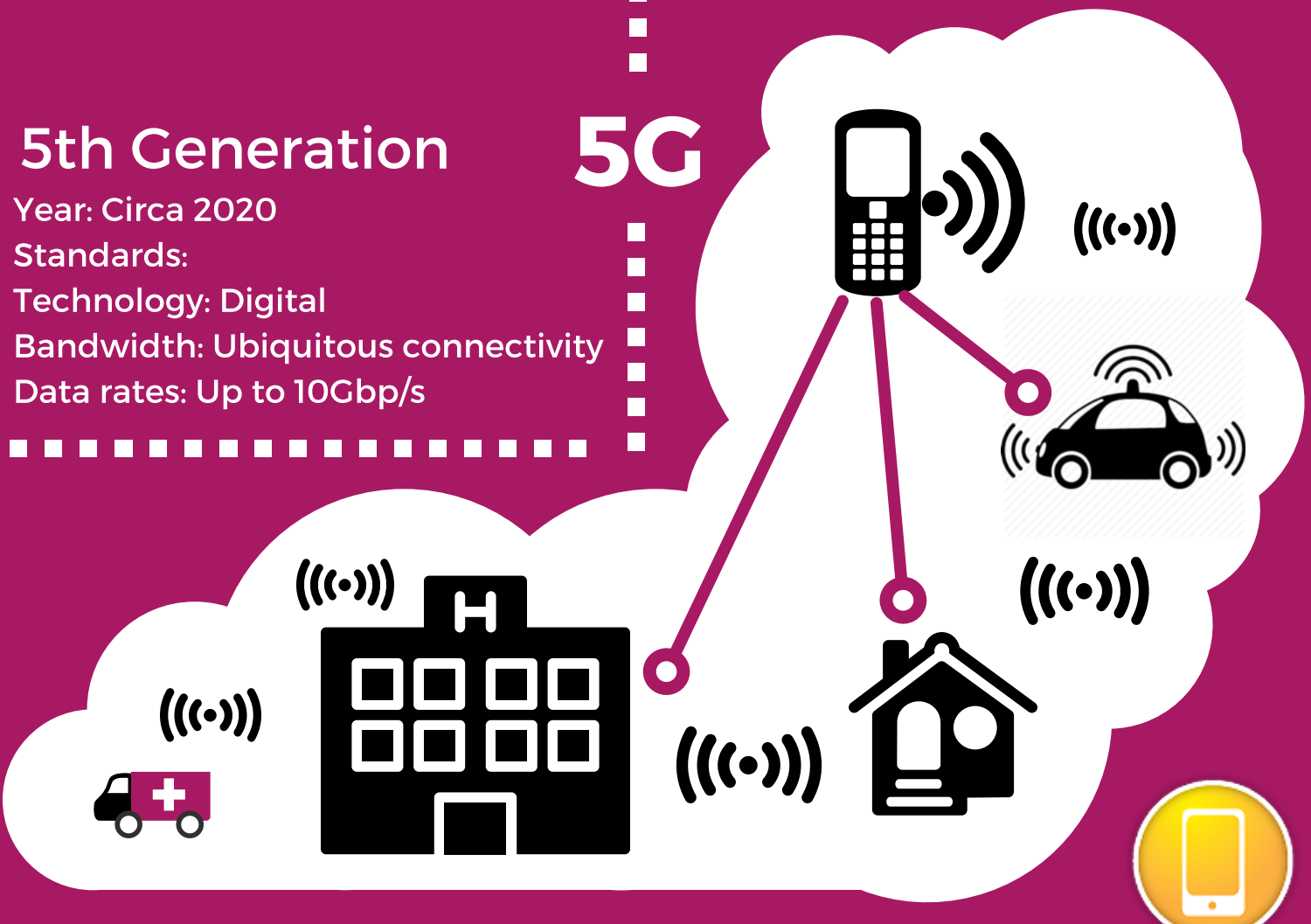
Standards:

Technology: Digital

Bandwidth: Ubiquitous connectivity

Data rates: Up to 10Gbp/s

5G



For more info contact us on 0207 015 2100 or www.shapenetworks.com