



Comunicação Móvel

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Siglas

Por exemplo:

- GSM (Global System for Mobile communication)
- GPRS (General Packet Radio Service)
- EDGE (Enhanced Data for GSM Evolution)
- WAP (Wireless Application Protocol)
- UMTS (Universal Mobile Telecommunications Service)

Gerações

0G



4G

1G

First Generation Mobile Communication (1950-1985)

1950: telefones são comercializados em larga escala

1958: primeira rede analógica (A1 Net na Alemanha)

2G

Second Generation Mobile Communication (1985-2000)

1987: Groupe Special Mobile (GSM)

1991: primeira rede 2G (Finlândia)

GPRS General packet radio service	EDGE Enhanced Data Rates for GSM Evolution
<ul style="list-style-type: none">• Also known as 2.5G• First evolution of GSM networks• Data transfers from 56 kbps up to 115 kbps• Packet-switching in addition to circuit-switching	<ul style="list-style-type: none">• Also known as Enhanced GPRS (EGPRS) or 2.75G• No new technology required• Data transfers to around 237 kbps• Higher speed packet switching method




3G

Third Generation Mobile Communication
(2000-2010)

2002:Verizon nos EUA

4G

Fourth Generation Mobile Communication
(desde 2008)

WIRELESS GENERATION	 Download NewYork Times home page (1.4MB)	 Download 3-minute MP3 file (4MB)	 Download 3-minute web video (10MB)
2G Average speed 125 kbps	90 seconds	2 minutes, 16 seconds	10 minutes, 40 seconds
3G Average speed 800 kbps	14 seconds	40 seconds	1 minute, 40 seconds
4G Average speed 1.5 mbps	7 seconds	21 seconds	53 seconds

Perguntas?