



# What are mobile phone networks and how do they differ?

Since the advent of mobile phones, networks have evolved through several generations, offering more and more capacity and services.

## **1G. First generation. 1980 Mobile voice**

- First analogue mobile phones
- They only allowed talking
- Coexisted in the 1990s with 2G

## **2G. Second generation. 1995 Voice and text**

- The GSM (Global System for Mobile Communications) standard is created
- Calls and SMS (Short Message Service)
- Allows heavy mobile data reception and access to e-mail

## **3G. Third generation. 2001 Mobile internet**

- Increased internet speed
- Simultaneous use of voice and data connections

## **4G. Fourth generation. 2009 Explosion of features**

- Download speeds increase
- First mobile internet network
- Provides immediate and interactive *online* experience

## **5G. Fifth generation. 2023 Hyperconnection**

- Supports connection of multiple devices at the same time
- Lower latency and better performance

