# Basic Cellular System

## Components of a basic cellular system

#### cell

covers geographical region

#### base station (BS)

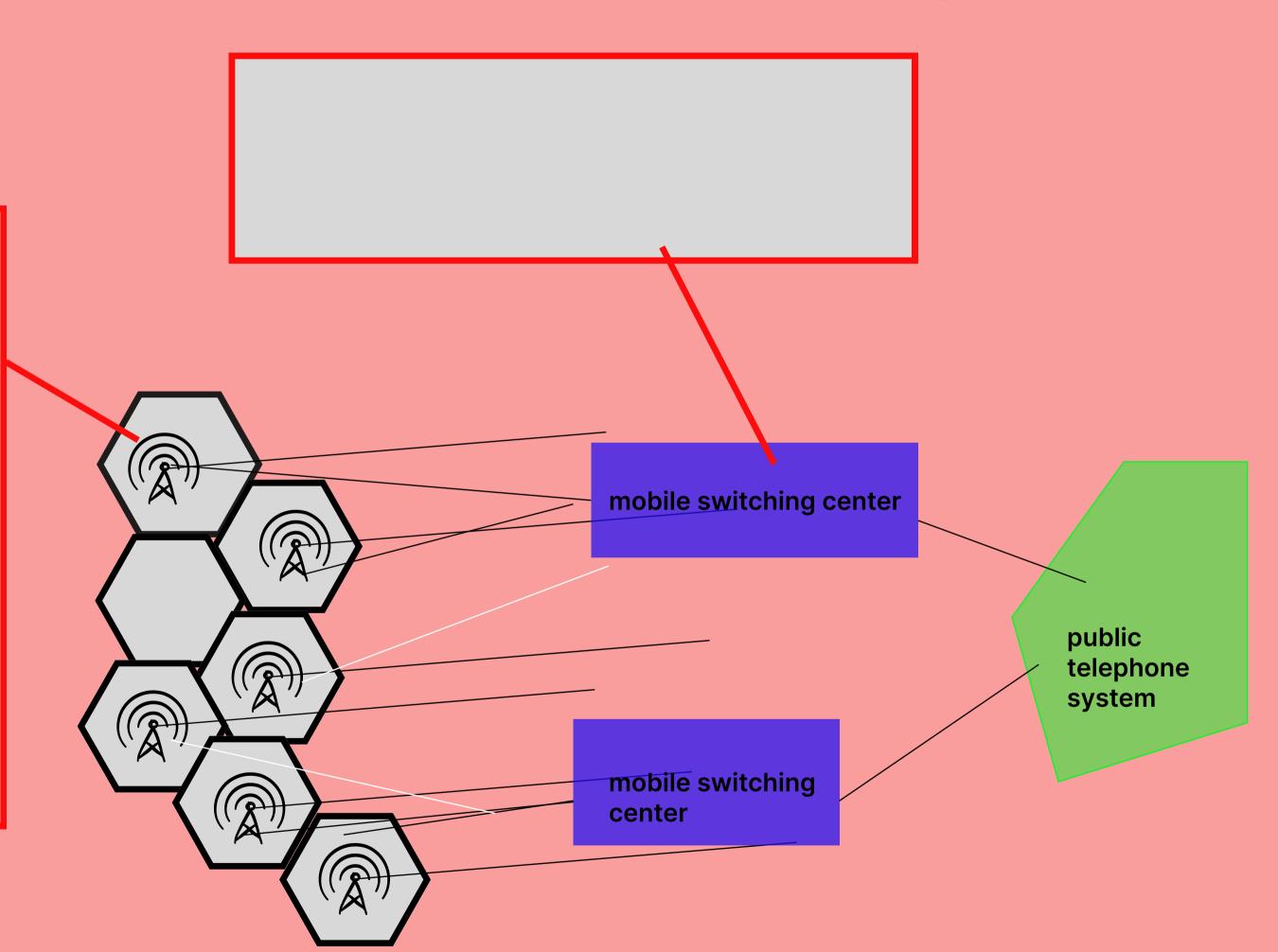
analogous to 802.11AP

#### mobile users

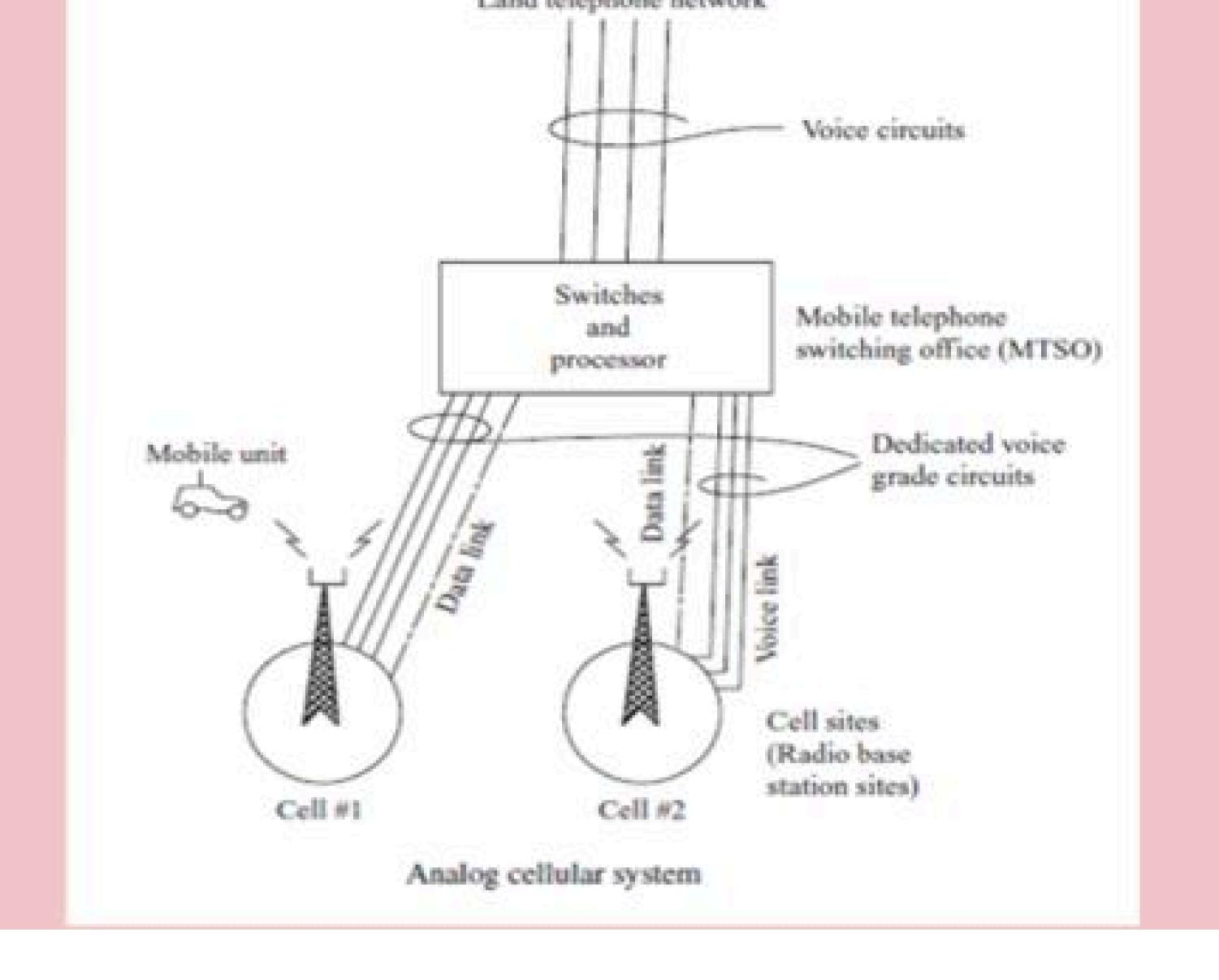
attach to network through BS

#### air-interface:

 physical and link layer protocol between mobile and BS



# Analog circular system



### Digital Circuit-Switched System

A Basic Digital System consists of four elements:

- 1. Mobile Station
- 2. Base Transceiver Station (BTS)
- 3. Base Station Controller (BSC)
- 4. Switching Subsystems