

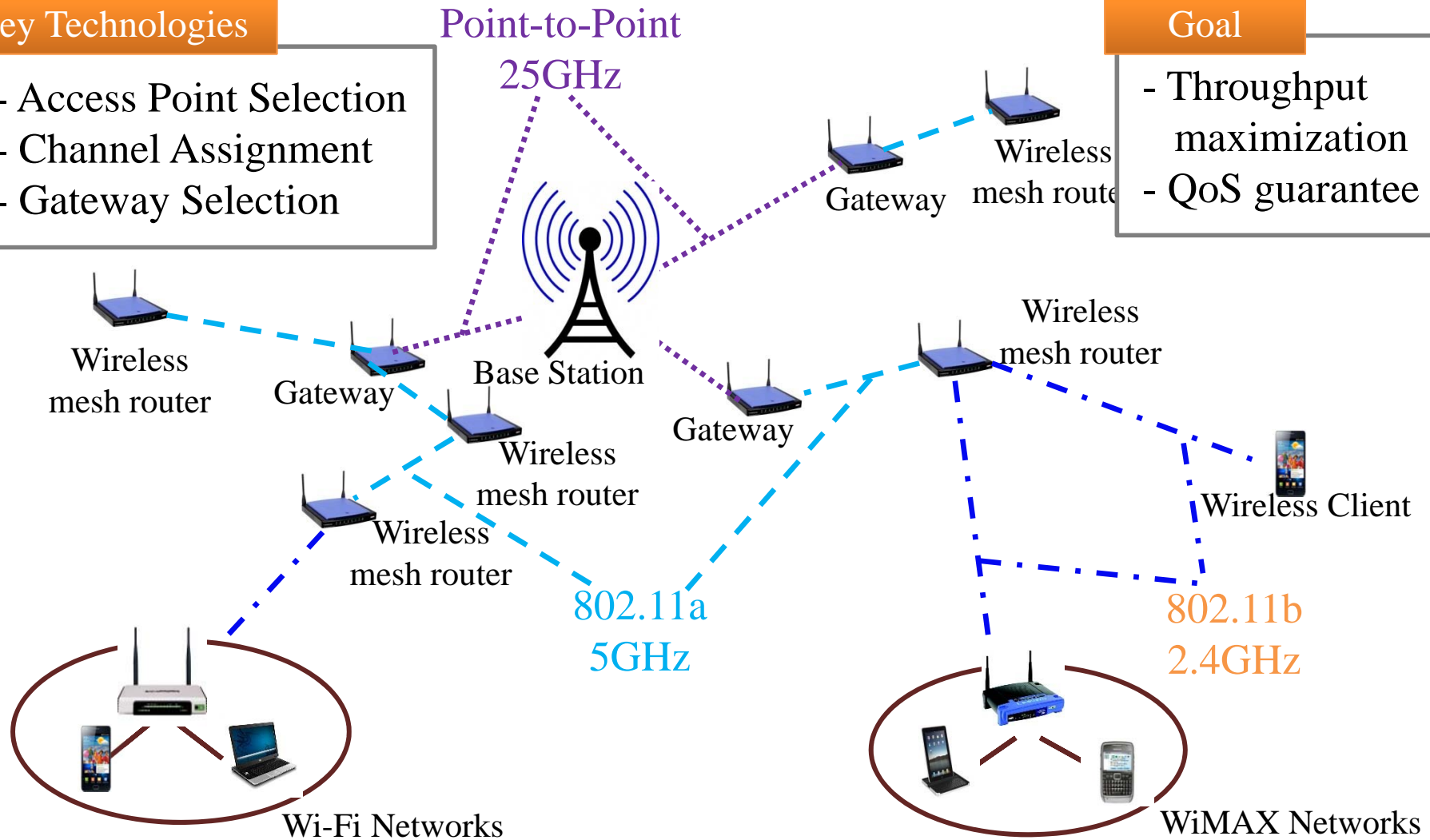
1) The infrastructure of wireless mesh networks

Key Technologies

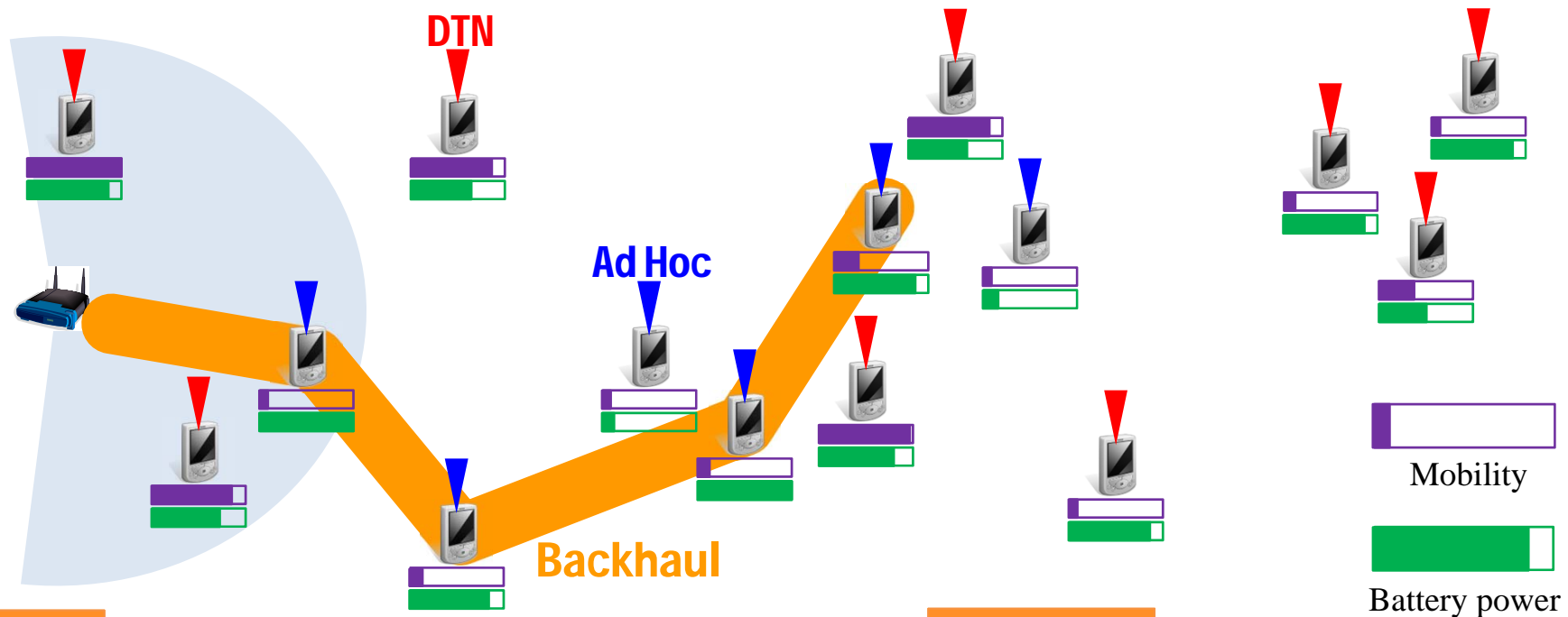
- Access Point Selection
- Channel Assignment
- Gateway Selection

Goal

- Throughput maximization
- QoS guarantee



2) User Terminal Cooperation



How to

- Combine the techniques of Ad Hoc and DTN.
- Work autonomously according to user mobility, battery power, and density.

Goal

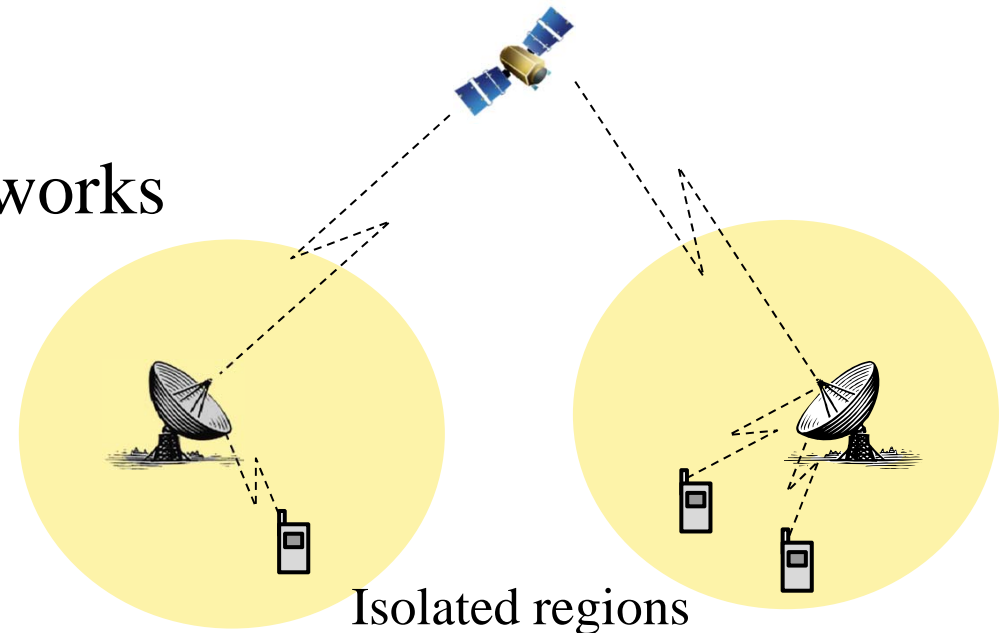
- Expand coverage area virtually
- Reduce amount of traffic
- Guarantee stable communication

3) Utilization of Satellite Networks

- Utilize satellite networks as links connecting isolated regions with outside

- Problems of satellite networks

- Smaller capacity
- High delay



- Highly utilize all available satellite networks
- Optimize the interconnection with the integrated regional networks