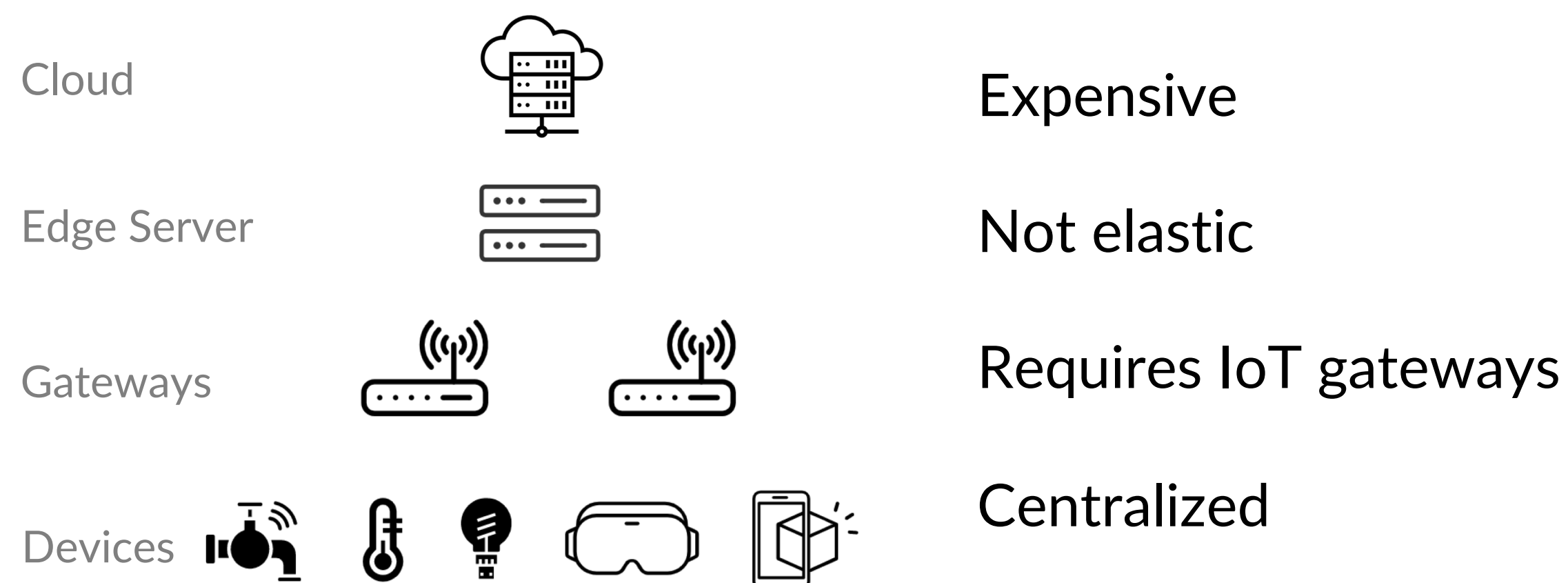
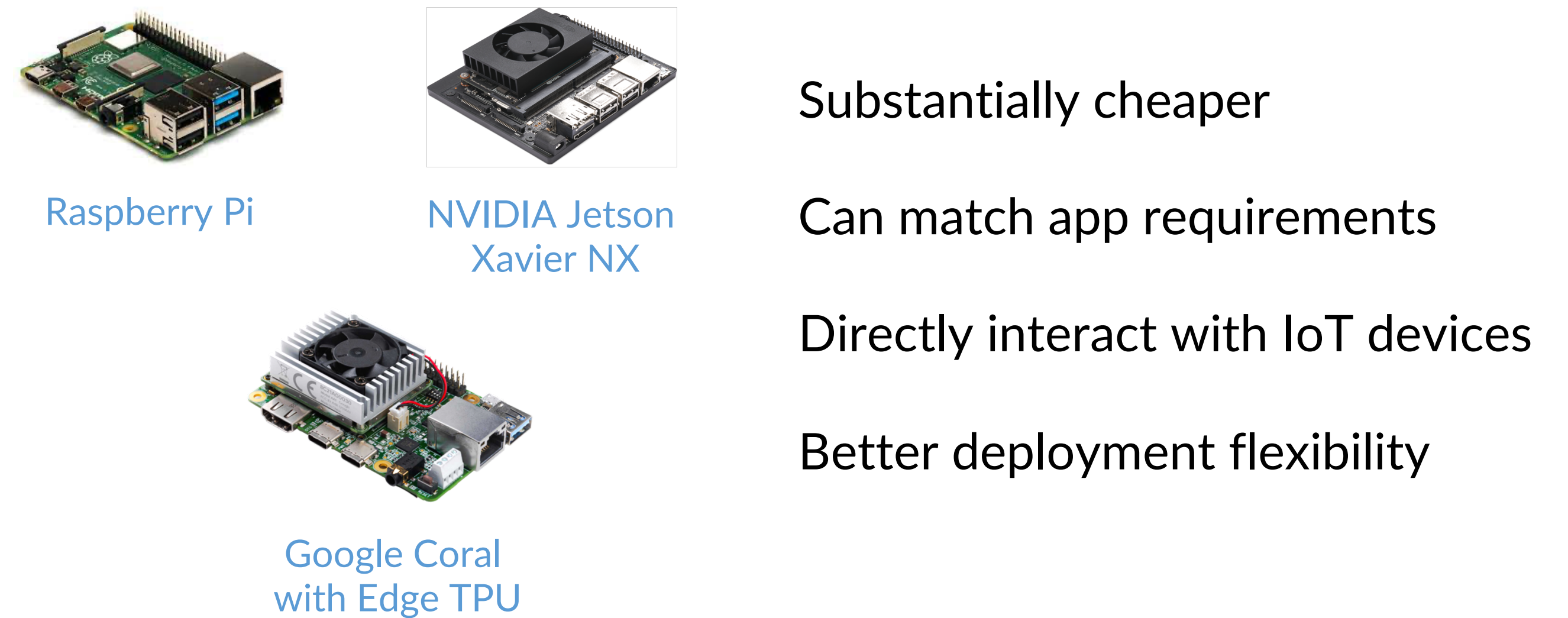


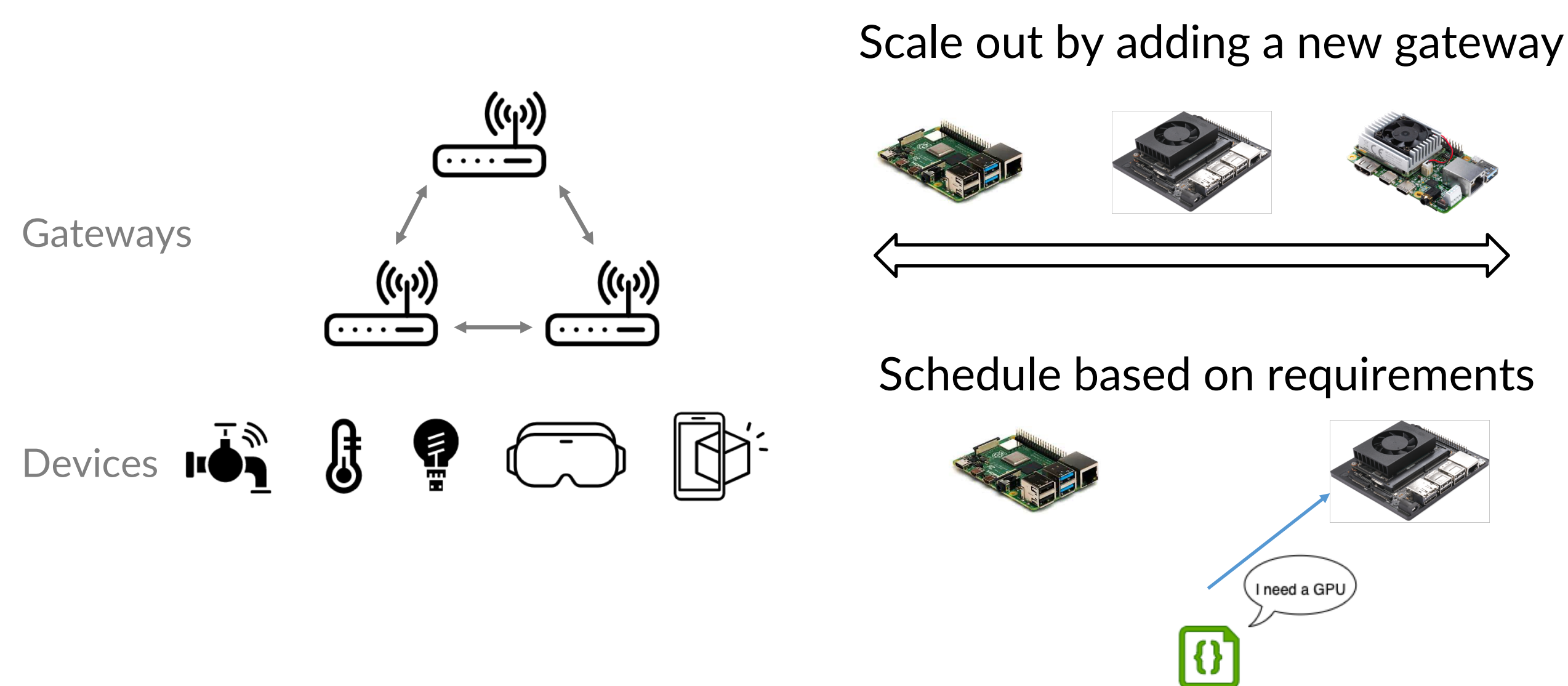
## Server Based Edge Computing the Norm, but Has Its Drawbacks



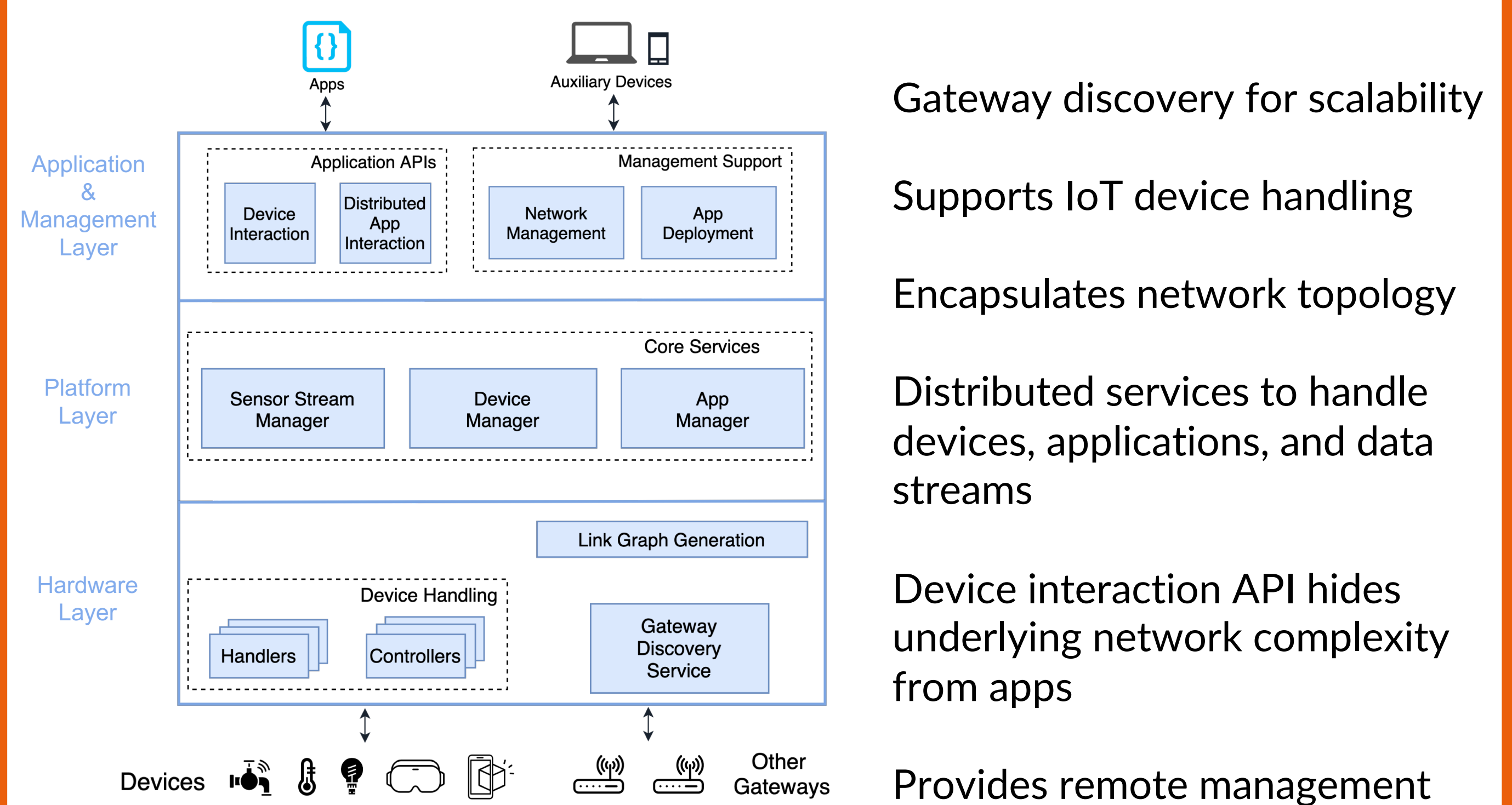
## Edge Gateways Becoming Increasingly Capable and Specialized



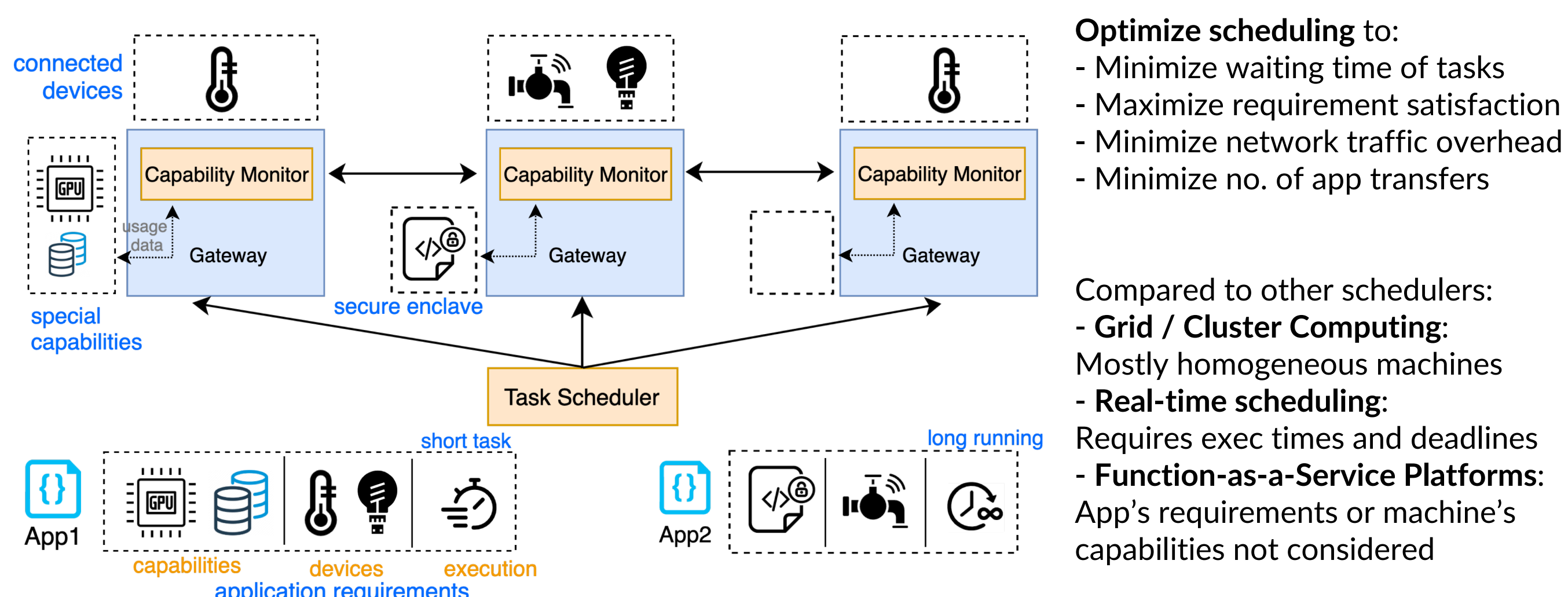
## Distribute Applications on Gateways Instead of a Server



## Middleware on Each Gateway to Enable This Vision



## Scheduler uses Requirements, Capabilities and Resource Usages



## Evaluation and Implementation of the Platform

### Evaluation Plan

- Compare scheduler's performance to other baselines
- Demonstrate feasibility by porting apps from platforms like cloudlet
  - Eg.: supporting AR, VR on the edge
- Implementation specifics:
  - Task requirements collected in JSON format
  - Execution environment: Node.js on Linux
  - Gateway capabilities: systeminformation npm module
  - Resource usage monitoring: mpstat, free, df, tegrastats etc.