Wireless Sensor Networks and the Internet of Things: Selected Challenges
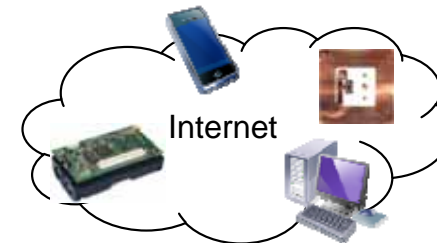
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The "Internet of Things" Vision

Heterogeneous Devices
- Dynamically join the Internet
- Collaborate and cooperate to achieve sets of tasks

Wireless Sensor Networks
- Collect context and environmental data
- Process collected data
- Processed data can be externally queried

Internet

Integration Approaches

- Independent network
- Hybrid network
- Access Point network

Challenges

- Security
- Quality of Service
- Configuration