

RFC7228bis: Terminology for Constrained-Node Networks

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RFC 7228

- Terminology that helps defining classes of IoT
- Published May 2014
- E.g., “Class-1”, “Class-2” devices

Constrained nodes: orders of magnitude

10/100 vs. 50/250

- There is not just a single class of “constrained node”

- Class 0: too small to securely run on the Internet

- “too constrained”

- Class 1: ~10 KiB data, ~100 KiB code

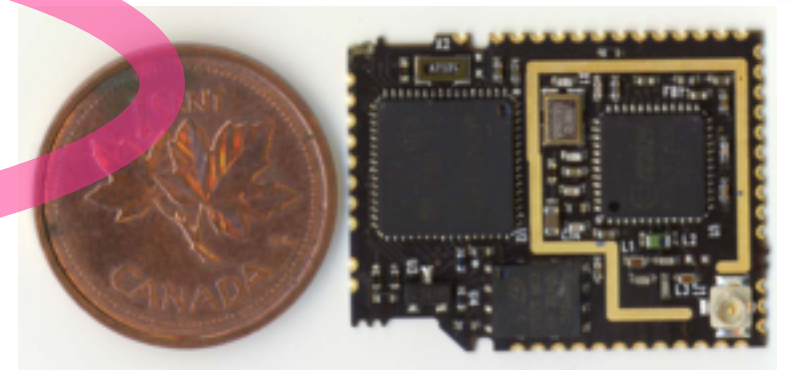
- “quite constrained”, “10/100”

- Class 2: ~50 KiB data, ~250 KiB code

- “not so constrained”, “50/250”



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- These classes are not clear-cut, but may structure the discussion and help avoid talking at cross-purposes

RFC7228bis

- Define next version, successor of RFC 7228
- A-class/M-class: Don't just discuss microcontrollers
- Some network characteristics (e.g., MTU, Internet access)
- What else would be useful to define so that it can be referenced elsewhere?