## MOTIVATION

## 50 billion IoT devices by 2020:

DDoS attacks e.g. Dyn cyberattack 2016

## Intellectual property theft:

Unique device identifiers Secure key storage (not battery backed SRAM or eFuses)

## **Devices using PUFs:**

Xilinx Zynq Ultrascale+ Altera Stratix 10 FPGAs

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