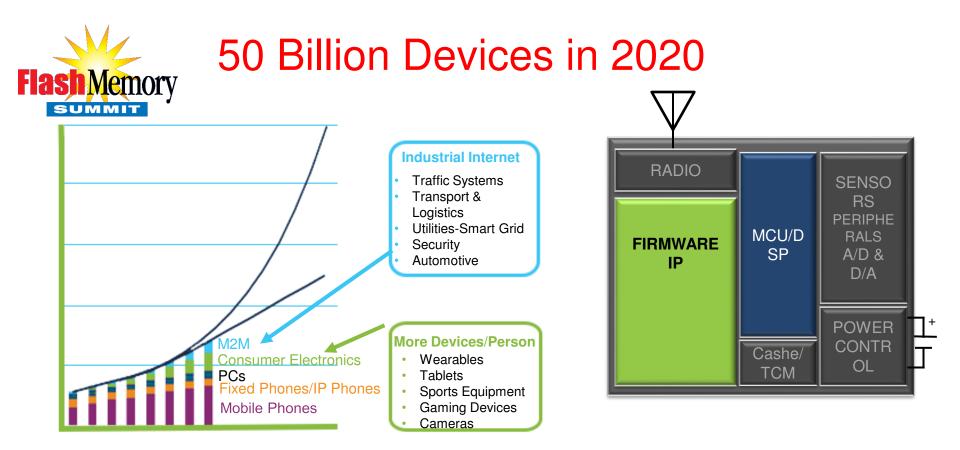


# Flash-less eNVM for Code and Security for IoT

### Linh Hong



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- Differentiation is created in software
- Common hardware platform, multiple Applications
- Memory requirements:
  - Low power with Instant-On
  - Small Silicon Footprint
  - Programmable, non-volatile code storage
  - Highly Secure to Protect S/W IP and Prevent Hacking



## Flash-less eNVM for Root of Trust







#### **OTP Technology**

Secure elements protect against passive attacks, invasive attacks, and semi-invasive attacks

#### **OTP Market Adoption**

- STB market
- SSD Controller
- Gaming
- Secure Transactions



## Smaller Footprint, Lower Power Flash-less Bitcell for Code

