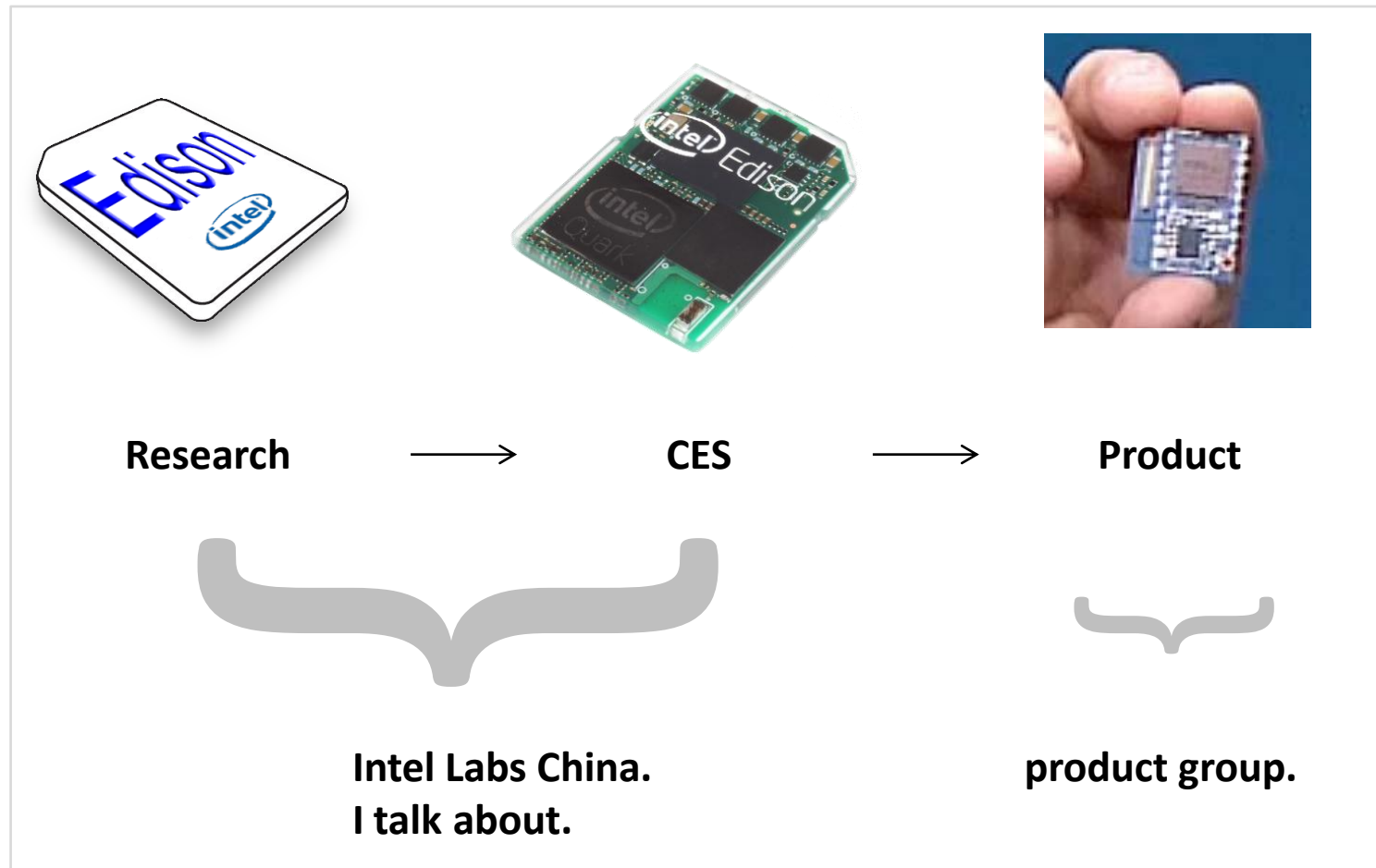


Pervasive smart devices (普适存在的智能设备)



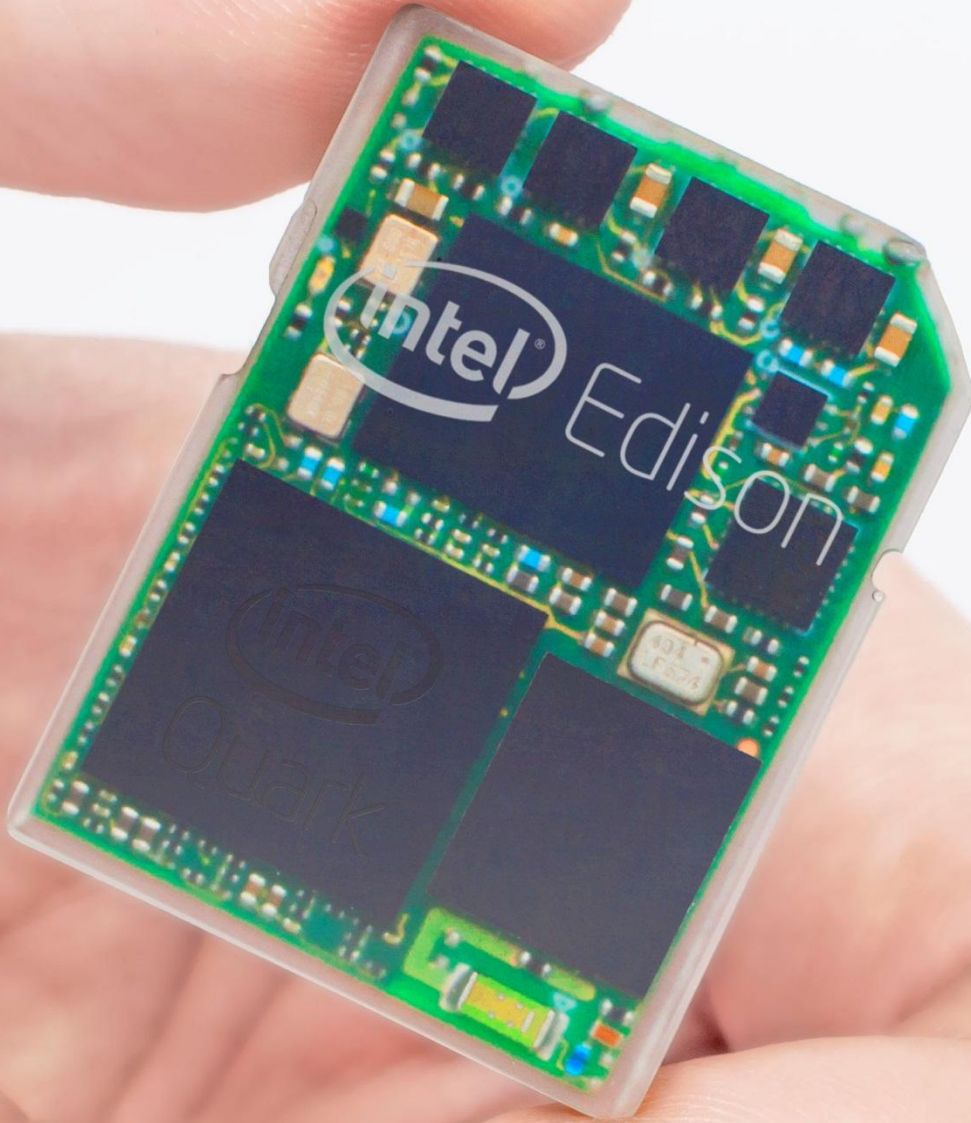


Prototype → product

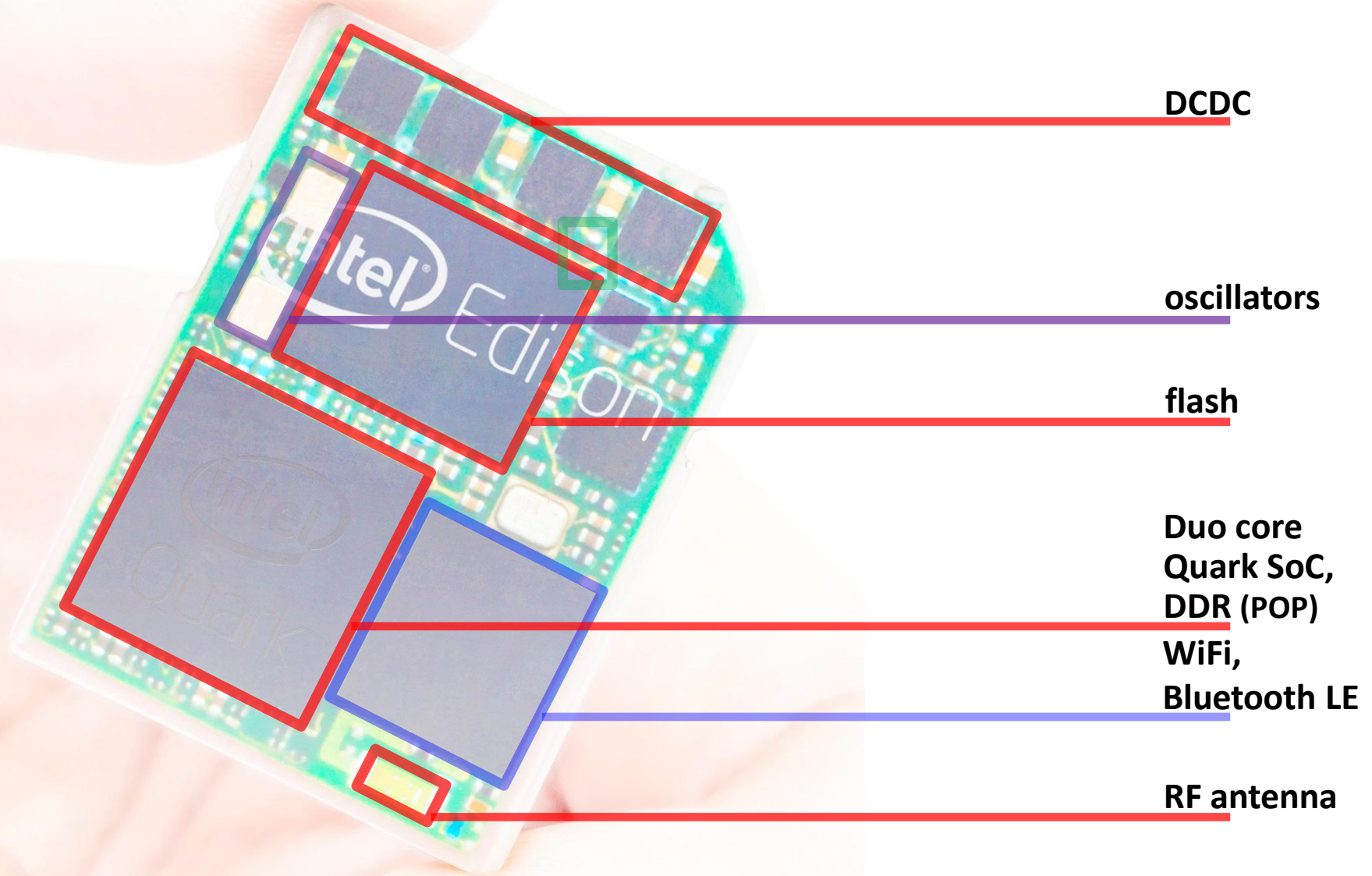


- Some common themes underlying all of the above
- Point out some differences between CES and product
- Focus on ideas leading to the prototype
- Some fun “behind-the scenes” look

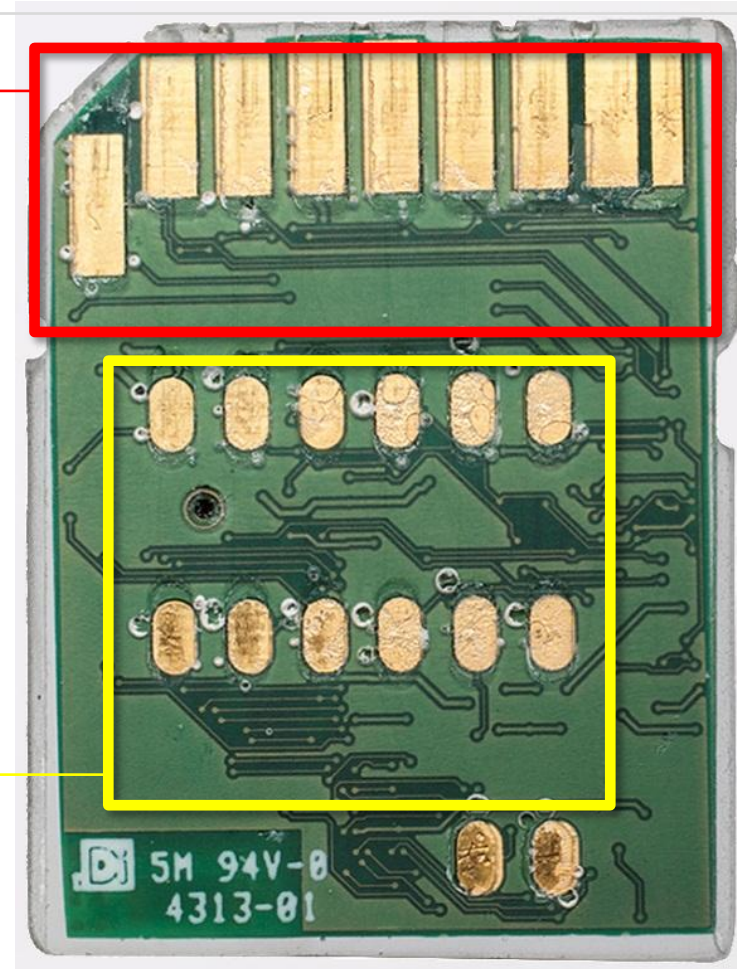
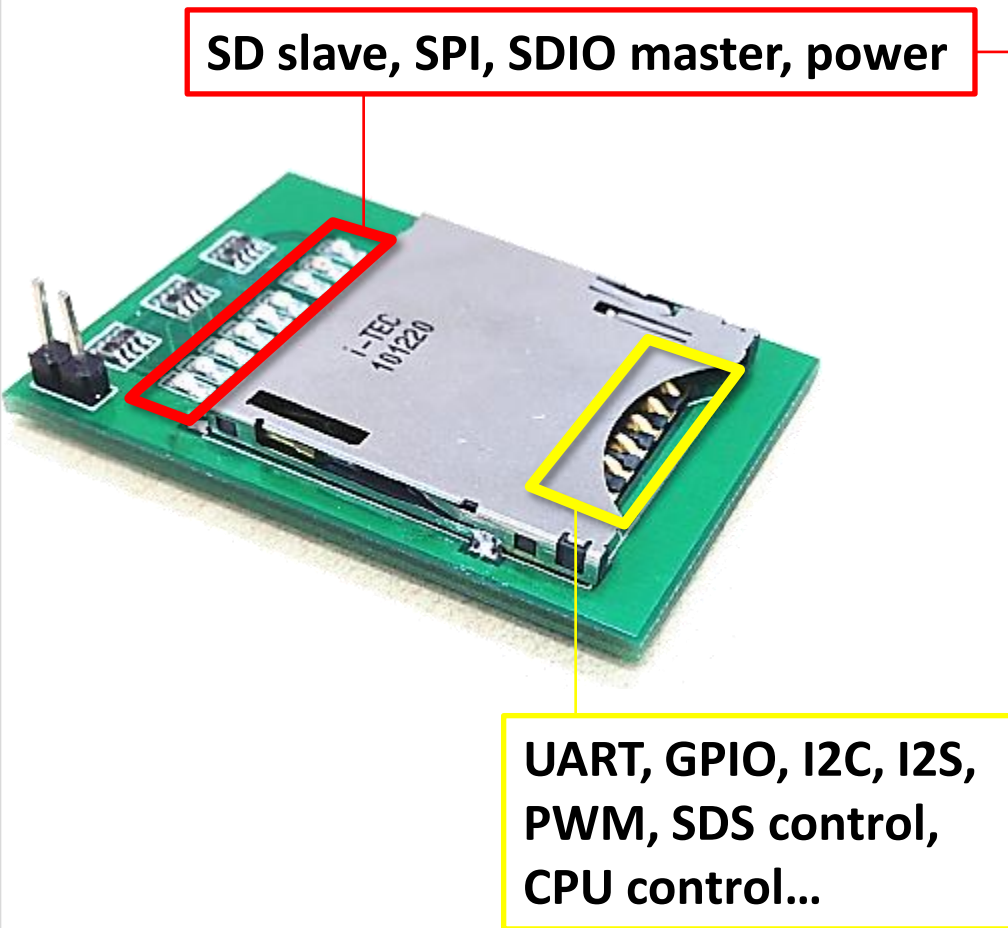
Edison @ CES



Edison @ CES

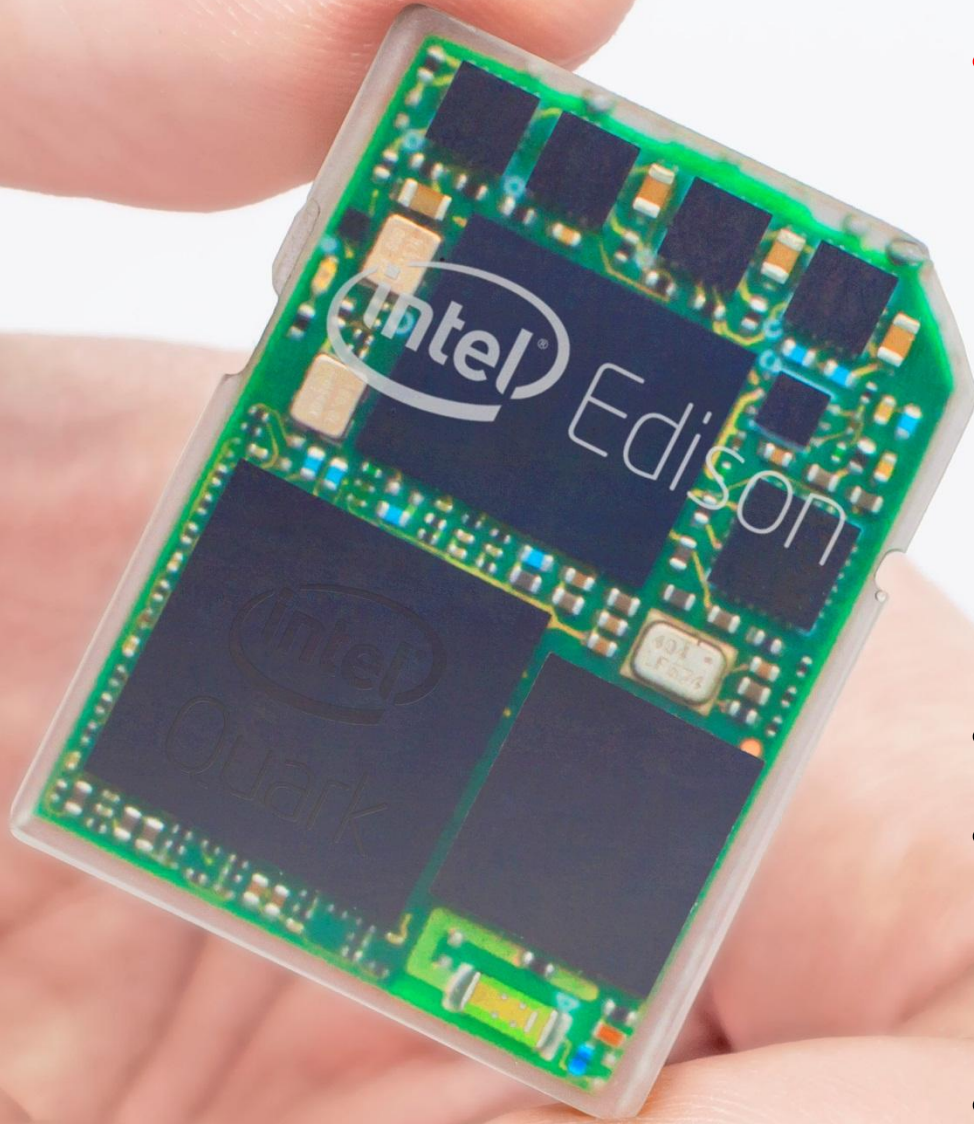


Edison @ CES: I/O pins



- Software programmable
- Expandable

Smallest computer with this much capability!



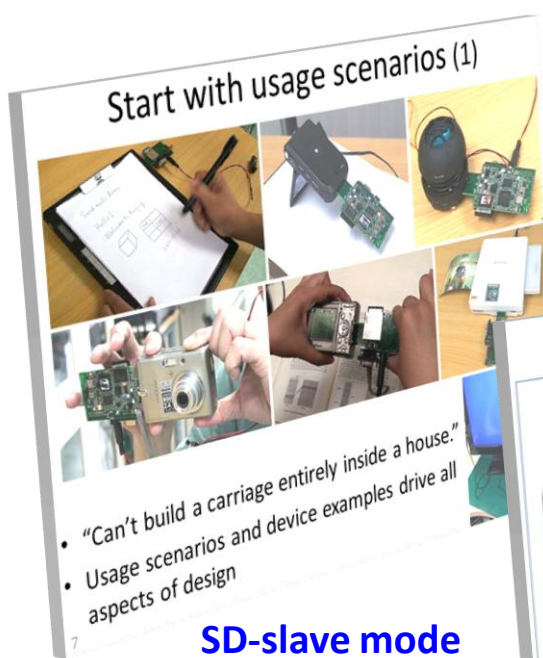
- **Unique combination** of features
 - Existing MCU-based systems less capable
 - Existing systems with comparable capability bigger in size and power and lacking versatility
- Duo core, duo OS
- Power:
 - Peak system: 1w
 - Standby: << 250mW
- Plug-and-play

Some of our demo devices

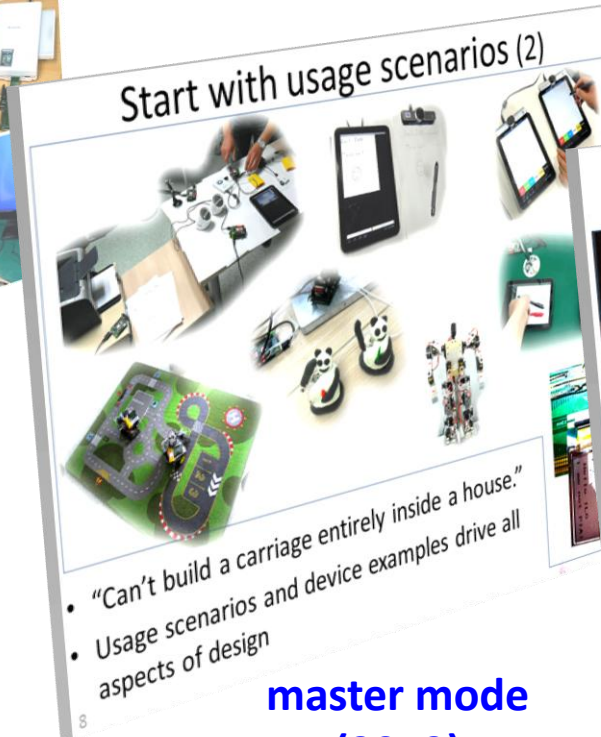


- Small, low-power, apps, working together, easy to make, and...

Iterate: continuous prototyping



**SD-slave mode
(2011)**



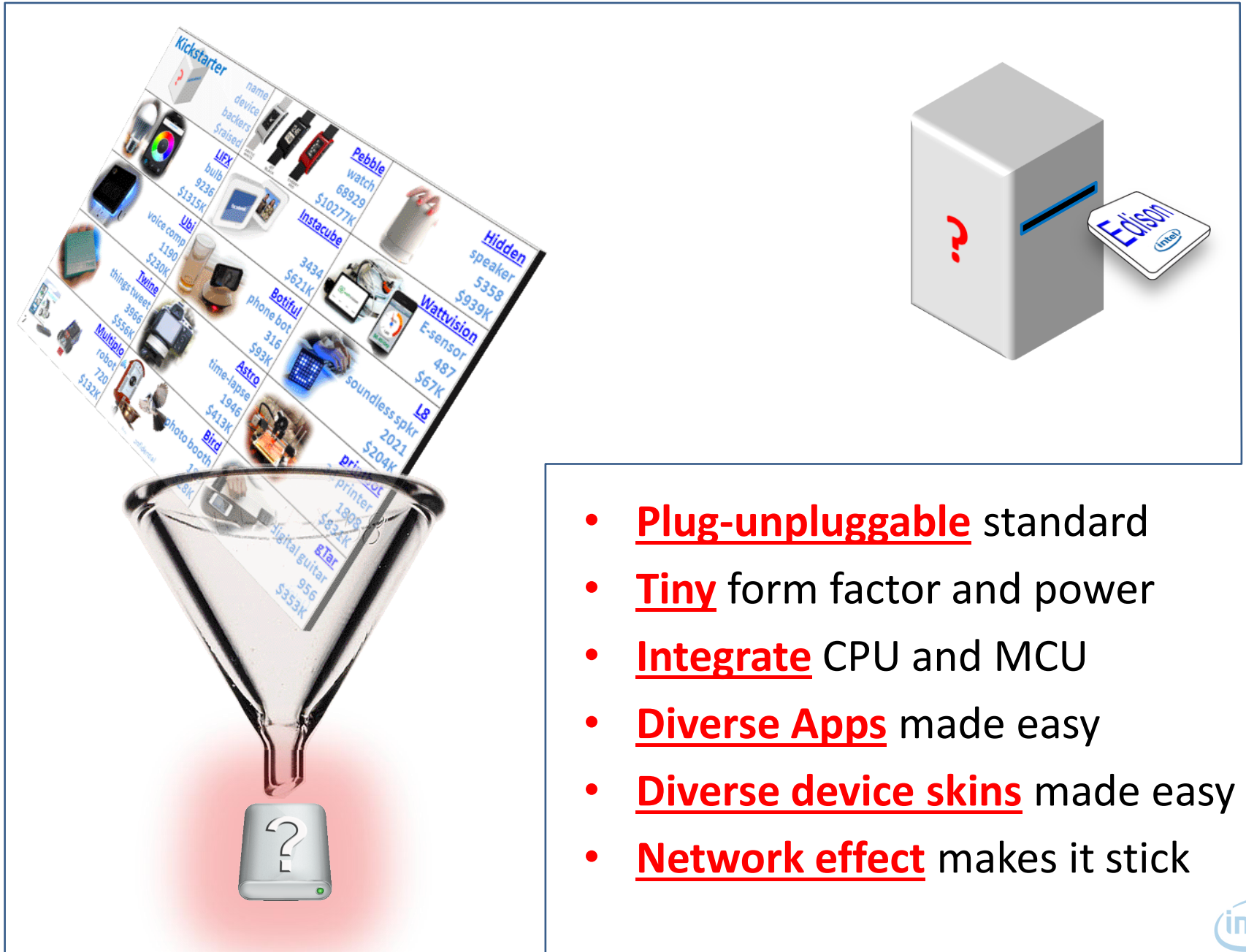
**master mode
(2012)**



**more IOs
(2013)**

- Usage scenarios and device examples
 - drive all aspects of Edison research and design
- “Prototyping: dialog with your ideas”
 - with platforms of sufficiently faithful form factors

Summary



name	device	backers
Kickstarter		
Pebble	watch	68929
Instacube		\$10277K
Hidden	speaker	5358
Wattvision	E-sensor	\$939K
Botiful	phone bot	316
Twine	things tweet	3966
Ubi	voice comp	\$1190
Ubi	bulb	\$1315K
Ubi	things tweet	\$556K
Ubi	robot	720
Ubi	photo booth	\$132K
Ubi	time-lapse	1946
Ubi	digital guitar	956
Ubi	soundless spkr	2021
Ubi	printer	1808
Ubi	digital guitar	\$932K
Ubi	digital guitar	\$956
Ubi	digital guitar	\$953K

- Plug-unpluggable standard
- Tiny form factor and power
- Integrate CPU and MCU
- Diverse Apps made easy
- Diverse device skins made easy
- Network effect makes it stick