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The \$100 laptop





Um Laptop por Criança

حاسوب محمول لكل طفل

Una Laptop por Niño

โครงการหนึ่งเยาวชนหนึ่งแล็ปท็อป

One Laptop per Child

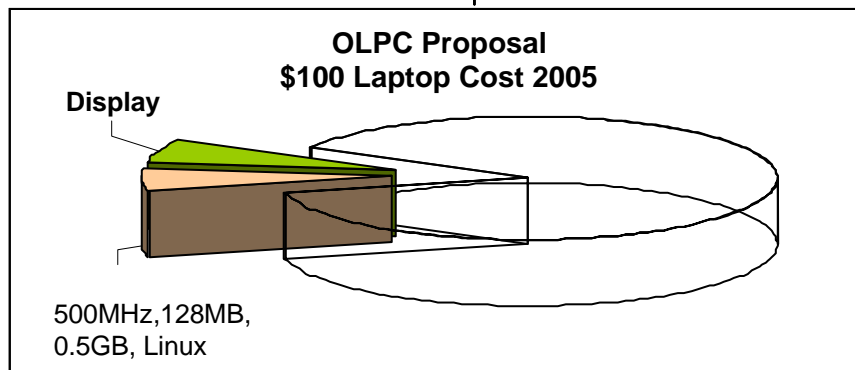
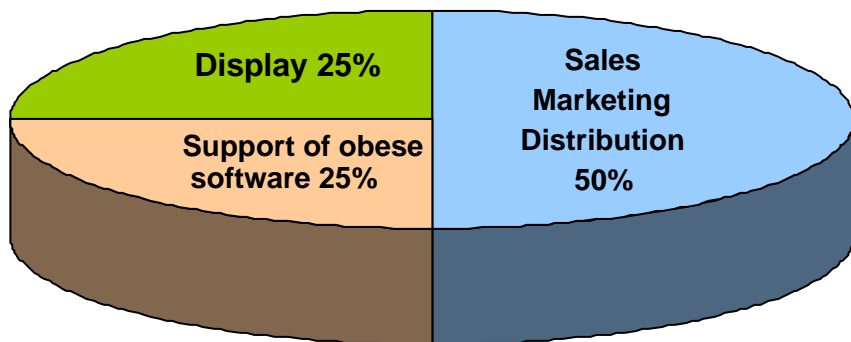
每个儿童一台笔记本电脑

Ένα Λάπτοπ για κάθε Παιδί



Getting to the \$100 Laptop

Gross Breakdown in Laptop Costs 2005



HOW:

- No Sales, Marketing, Distribution
- First Purchase Order 5-10M units
- Linux
- Reduce display cost leveraging backlight innovation

Dual Mode Display

Mode 1:

**SUNLIGHT
READABLE**

200 dots per inch

1200x900

Greyscale

Black and White

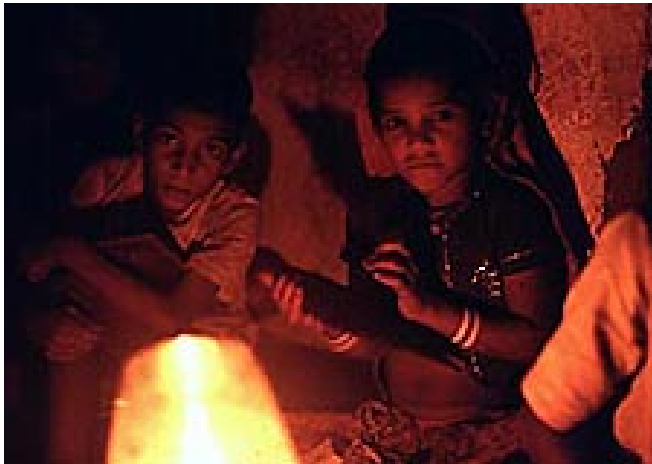


Mode 2:

**BRIGHT at
NIGHT**

~1024 x 768

Color



BENEFITS

Sunlight Readability

- ✓ Standard laptop LCDs aren't sunlight readable

Cost

- ✓ 1/3 the cost of typical laptop LCD

Power

- ✓ 1 Watt power usage with backlight on (typical is 7W)
- ✓ 0.1-0.2Watts power usage with backlight off (typical is 7W)

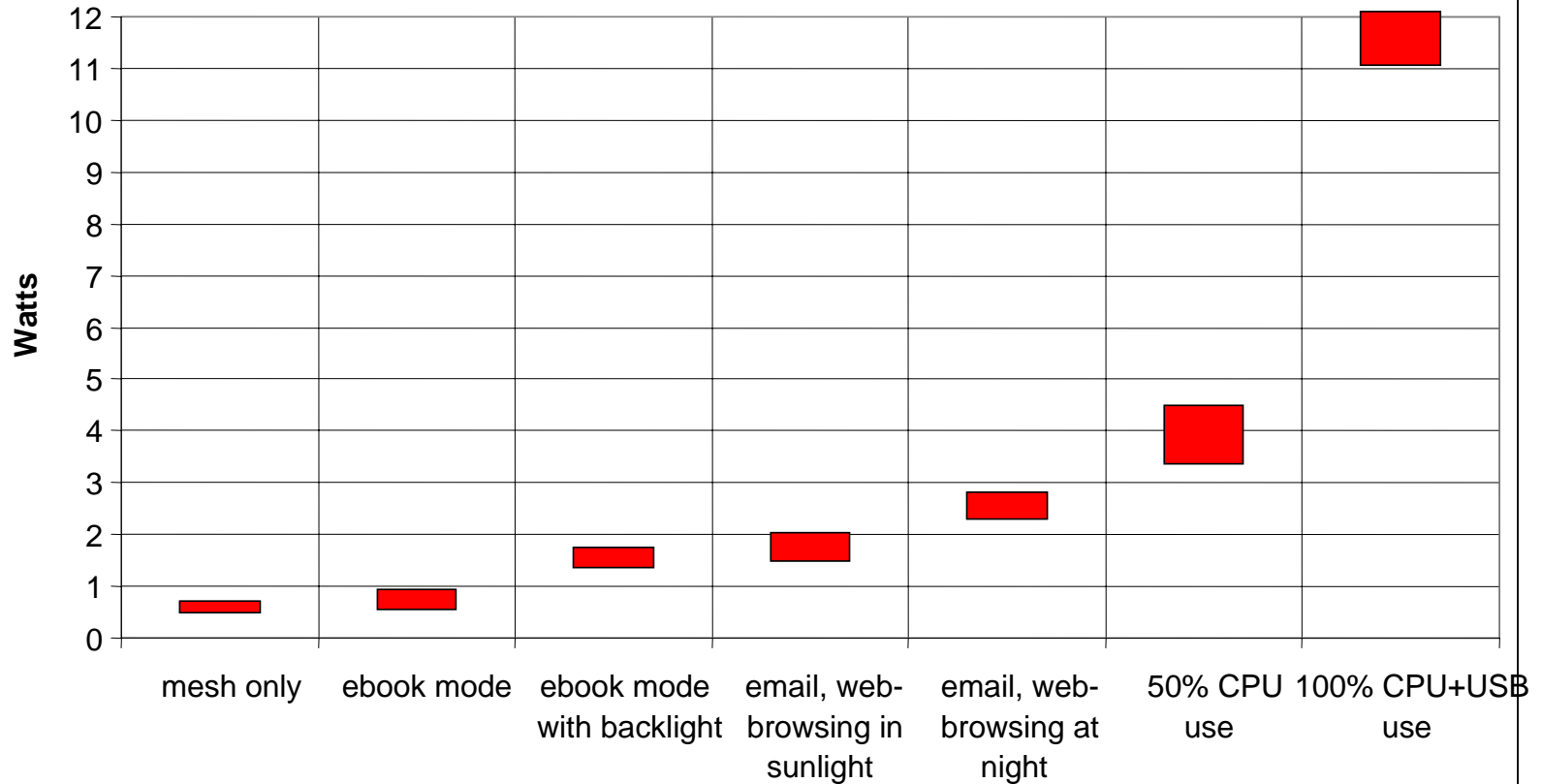
Resolution

- ✓ Higher resolution than 95% of laptop screens today

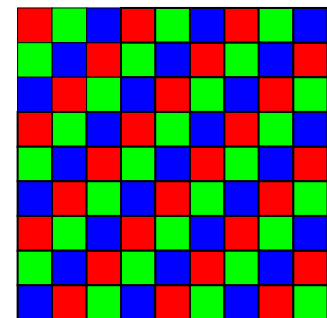
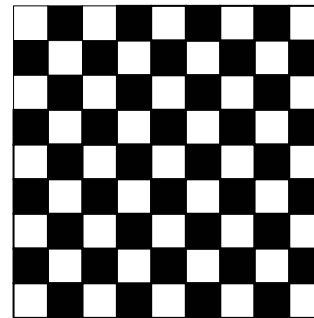
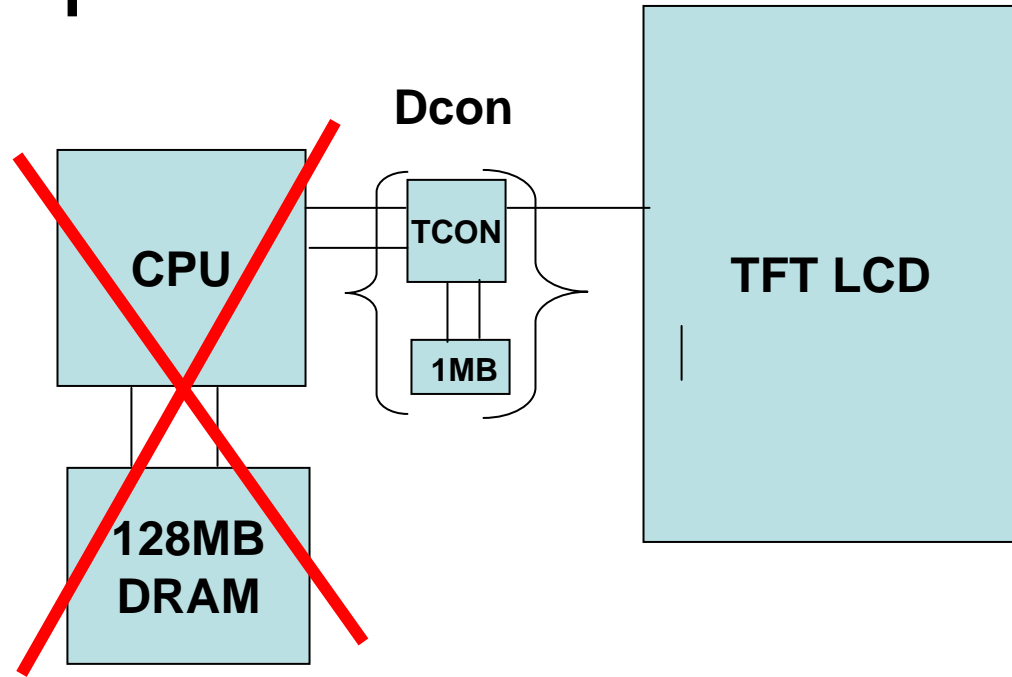


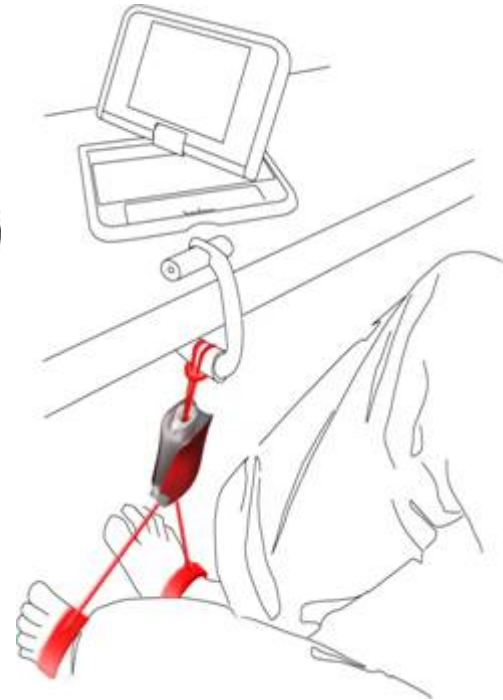
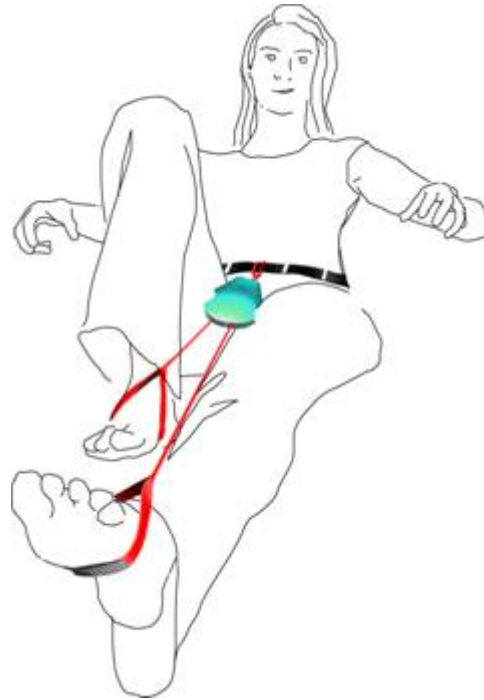
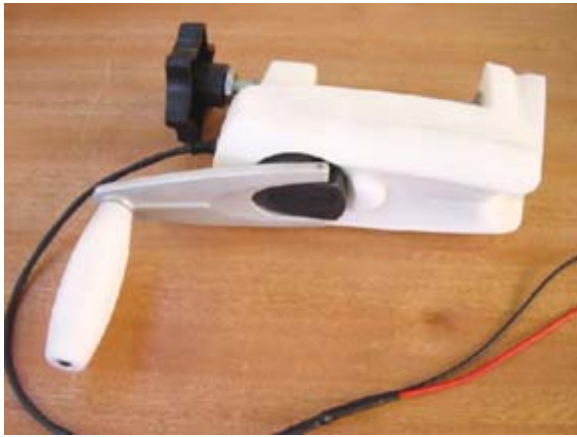


\$100 Laptop Power Consumption Estimates Ranges



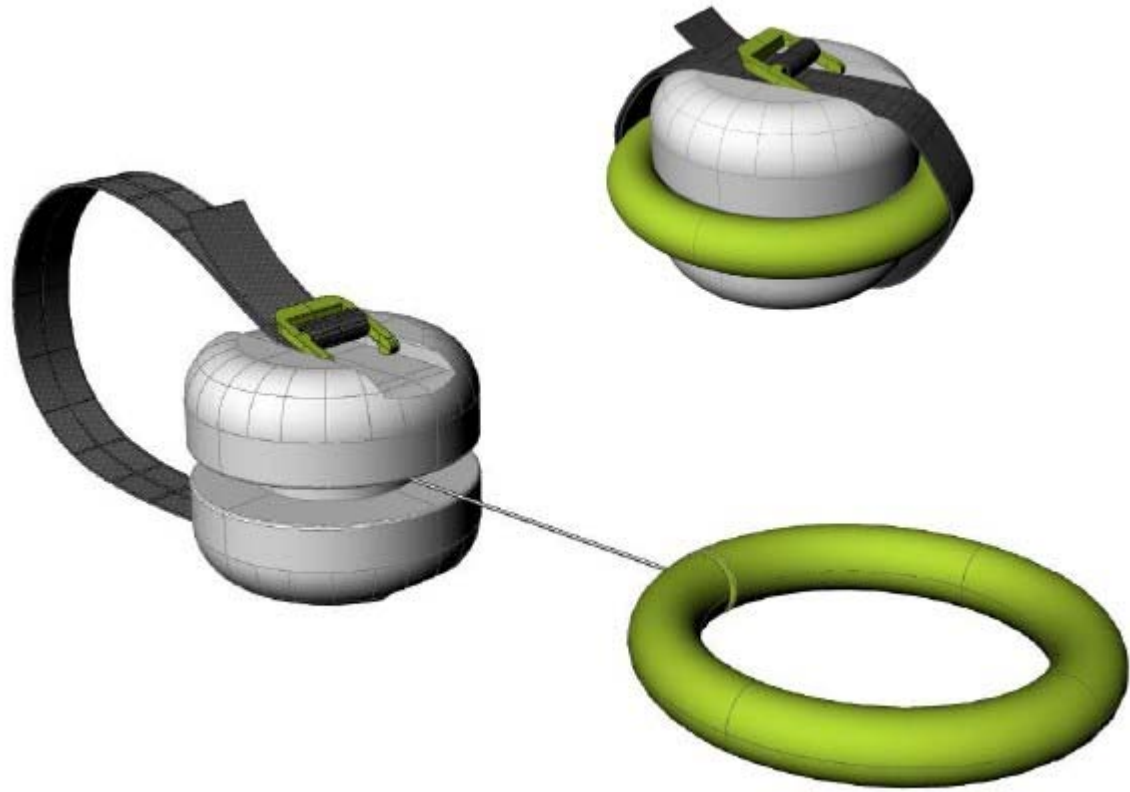
Low Power Operation = DCON





Human Power Options









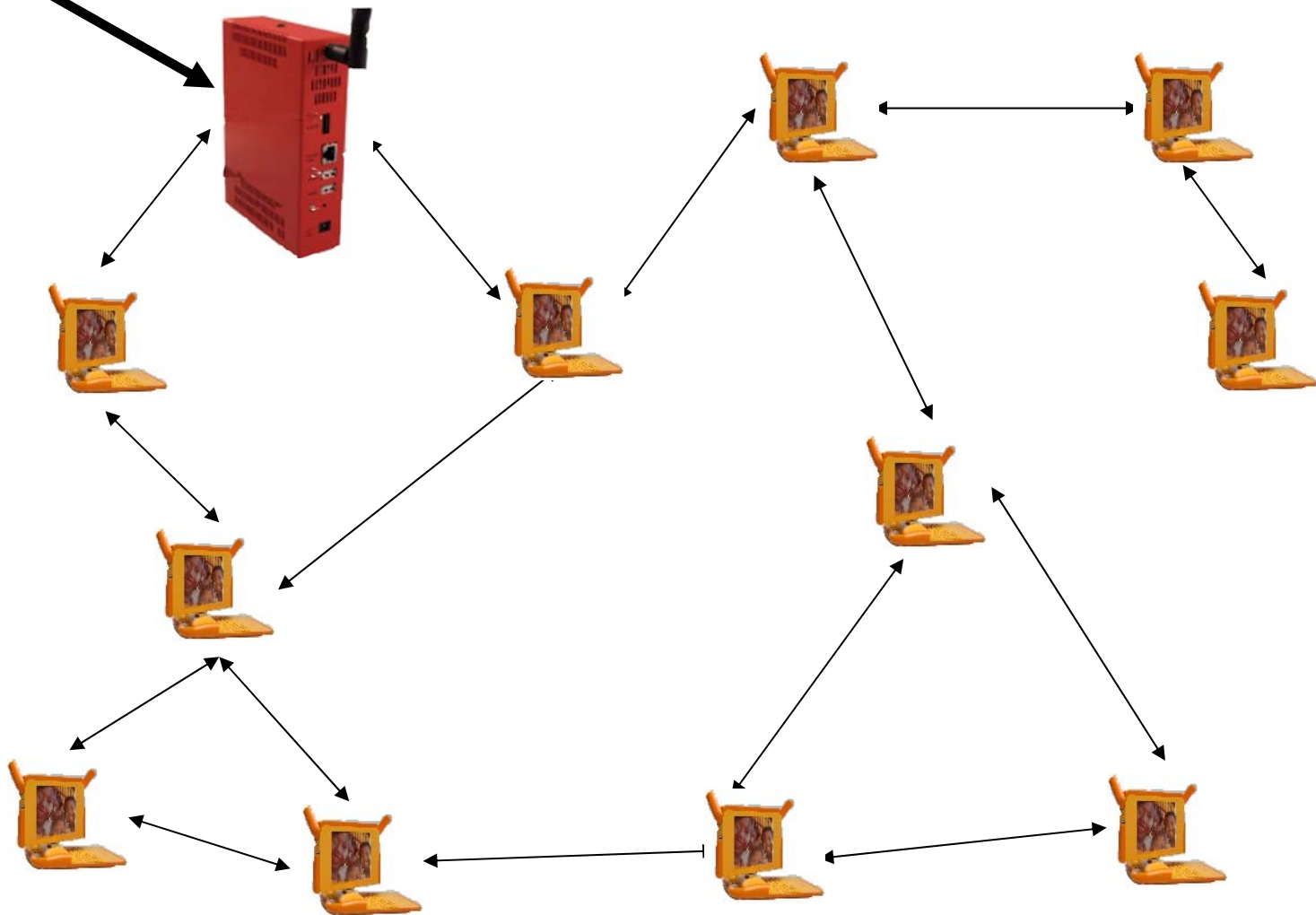
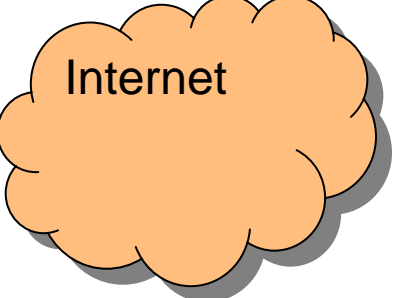




System Software based on Linux

- Fedora Core 6 base
- X-windows
- Custom Drivers, Power Management and GUI work
- Extensive use of Python

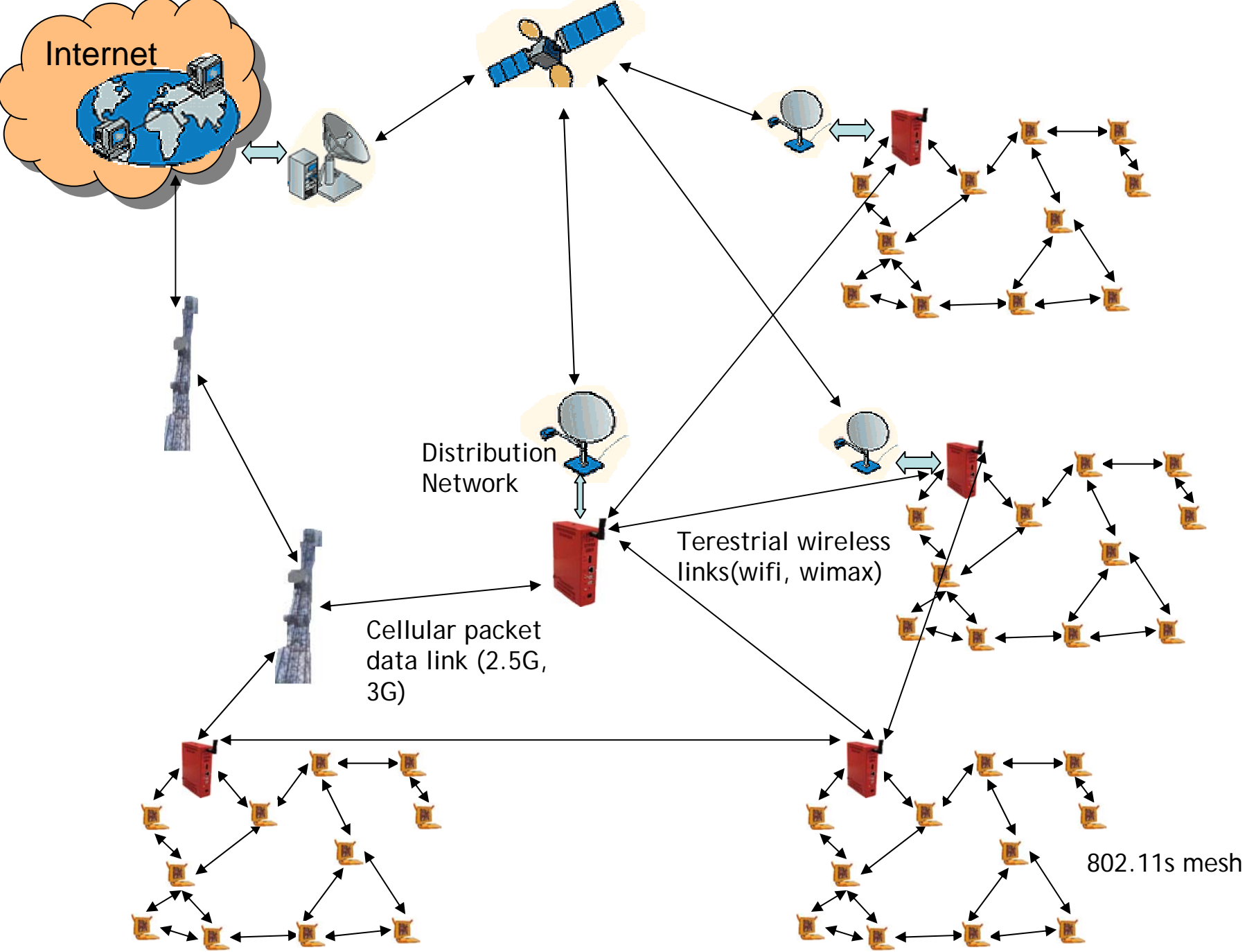
Install image currently requires 150MBytes (en route to 100MBytes).

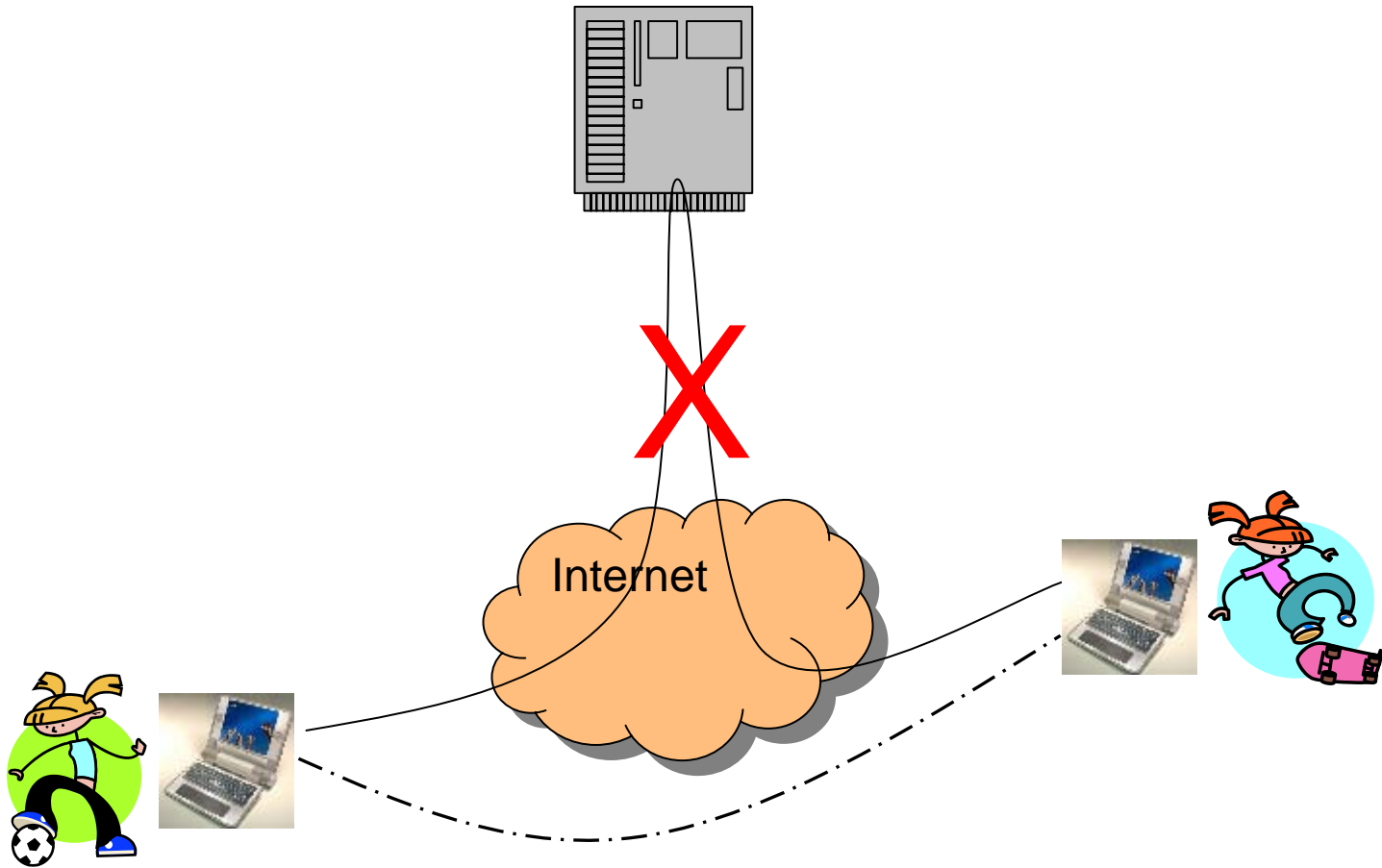




My Neighborhood









Build it yourself!