



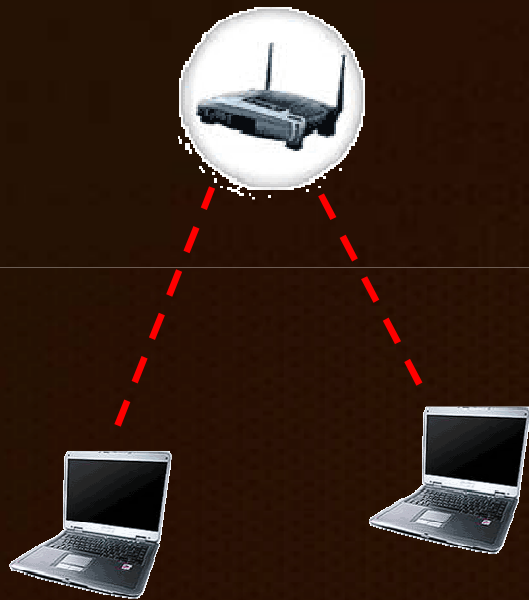
# Wireless peripheral connectivity using Wi-Fi: an intro to Wi-Fi PAN

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OZMO DEVICES CONFIDENTIAL

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# Legacy view of WLAN connectivity: Network connection



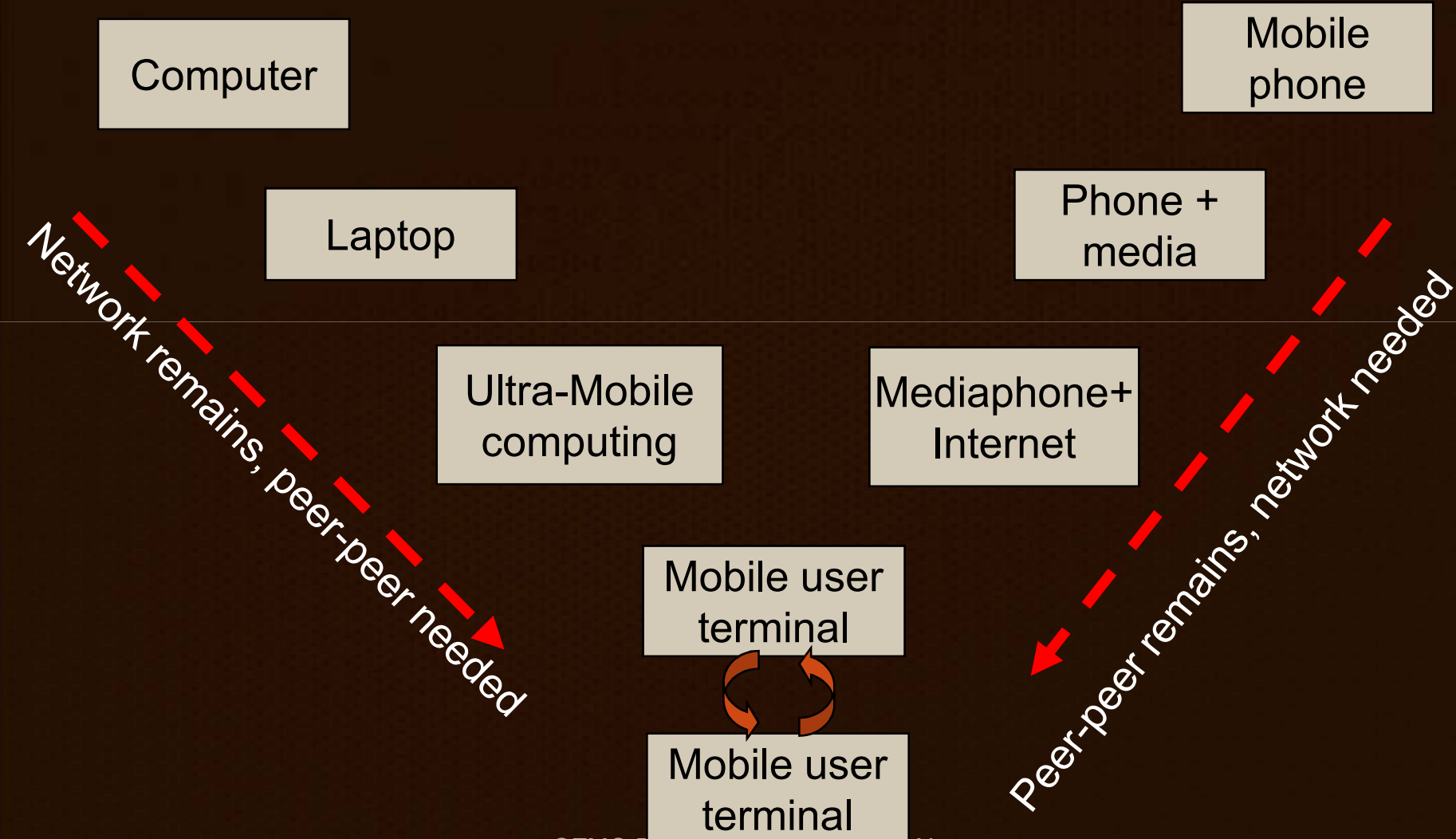
- Medium range:
  - 20 – 100m
- Higher data rates
  - 10 – 100Mbps
- Medium power sensitivity
  - Often mains-powered
- Medium cost sensitivity
- Network topology
- Dominated by Wi-Fi

# Legacy view of WPAN connectivity: Peripheral connection



- Short range
  - 5 - 10m
- Lower data rates
  - 1 - 3Mbps
- High power sensitivity
  - Portable, small battery
- High cost sensitivity
- Point-to-point topology
- Bluetooth / proprietary predominant

# Merging Environments



# Leveraging existing Wi-Fi for WPAN connectivity



# Extending to low-power peripherals



**Ozmo Devices**  
Wireless PAN



IEEE802.11 Wi-Fi  
Wireless LAN



**Ozmo IC**

**Ozmo driver adds  
WPAN to host Wi-Fi**

# Value proposition to platform manufacturers



## **Cost savings**

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- Extends the functionality of existing Wi-Fi chips to support WPAN
- No radio required; saves direct cost, integration effort and board space

## **Performance**

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- Low power
- Highly scalable; supports unlimited number of devices

## **Reliability**

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- Integrates seamlessly with Wi-Fi; no interference management required

# Ozmo Devices at a glance



- Fabless semiconductor company founded in 2004
- ~ 25 employees, managed by semiconductor and wireless industry veterans
  - HQ/hardware team: Palo Alto
  - Software team: Cambridge, UK
- Funded by top tier semiconductor VCs
  - Granite Ventures, Intel Capital, Tallwood Venture Capital

Questions?