### Companies & Products

Silicon Vendors & Products

Wireless LAN Vendors/Equipment Manufacturers & Products



### Silicon Vendors

#### Intersil

- Harris Semiconductor's division
- Most heavily invested chipmaker in WLANs today
  - 22 OEMs currently ship PRISM-based WLAN products
- Along with the chipset provides software, reference designs, manufacturing information & personnel
  - PRISM II Chipset (DSSS)
- Atheros Communications, Inc
  - HiperLAN2 5 GHz products





### Silicon Vendors

#### Netwave

- Acquired by Bay Network/Nortel Networks in June 1998
- Netwave has been active in the WLAN market since 1992
- AirSurfer product line includes FH & DS WLANs
- Raytheon
  - High radio expertise
    - Raylink 2.4GHz FH WLAN
      - High performance (2Mbps, 500ft range)
      - Low power consumption



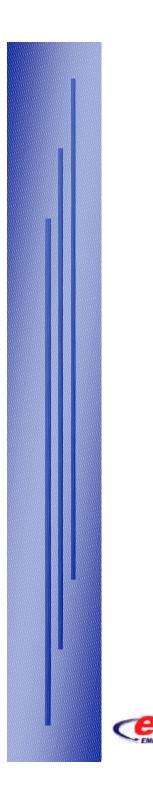


### Silicon Vendors

- Intermec
  - Proxim includes the radios for Intermec's 2.4GHz WLANs
- RadioLAN
  - Cisco owns a minority share
  - Only RF vendor that offers 10Mbps WLAN
  - CampusLINK
    - Operates at 5.8GHz & has line-of-sight at 1,000 feet







PROTOCOLS

### Silicon Vendors

- RDC
- Wave Access
- Airoptics
- LCI
- Proteon



### Compaq

- WL100 11 Mbps Wireless LAN PC Card
- WL400 11 Mbps Wireless LAN Hardware Access Point
- WL200 11 Mbps Wireless LAN PCI Card
- WL300 11 Mbps Wireless LAN Software Access Point

#### 3Com

- AirConnect wireless LAN Access Point
- AirConnect wireless LAN PC Card





#### Nokia

- A020 Wireless LAN Access Point (DSSS, IEEE 802.11, Enterprises)
- A021 Wireless LAN Access Point (DSSS, IEEE 802.11, SOHO)
- Proxim
  - Makes adapters, access points, bridges
  - RangeLAN2 7401/7402 PC Card for laptops
  - RangeLAN802 8401/02 PC Card for laptops (FH)
  - RangeLAN2 7510/20/21 Ethernet Access Point (FH)

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- RangeLAN802 8520/21 Access Point
- RangeLink products



- Aironet/Cisco
  - Makes adapters, access points, bridges
  - PC4500 (PC Card) Direct Sequence
  - PC3500 (PC Card) Frequency Hopping
  - AP4500 (Ethernet) Direct Sequence Access Point
  - AP4500 (Token Ring) Frequency Hopping Access Point
  - AP3500 (Ethernet) Frequency Hopping
  - AP3500 (Token Ring) Frequency Hopping
- Lucent
  - WaveLAN IEEE PC Card (DS)
  - WaveLAN IEEE ISA Card (DS)
  - WavePoint2 (DS) access point





- Symbol Technologies
  - Makes adapters, access points, bridges
  - Spectrum24 High Rate (11Mbps) 802.11b Wireless LAN
    - Ethernet Access Point 4111 Wireless bridge between wired LANs and mobile computing devices
    - LA 4111 PC Card
    - LA 4113 PCI Card
  - Spectrum24 2Mbps 802.11 Wireless LAN
    - AP2410 Ethernet Access Point
    - AP2412 Token Ring Access Point
    - LA 2400 WLAN PC Card
    - LA 2470 ISA Wireless LAN Adapter
    - Spectrum24 SB 2401 Serial & EB 2401 Ethernet Bridges



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#### Netwave

- AirSurfer Pro PC card (DS)
- AirSurfer Pro access point (DS)
- AirSurfer Plus PC card (FH)
- AirSurfer Plus access point (FH)
- Raytheon
  - Makes adapters, access points
  - Raylink PC Card (FH)
    - Raylink access point (FH)
- WaveAccess
  - Makes adapters, access points, bridges

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#### Intermec

- Makes adapters, access points
- Was the first to offer a universal access point
  - Enables users to mix radio technologies within the enterprise network
- Intermec's Wireless PC & ISA cards (DS)
- Intermec's 2100 Universal Access Point (DS)
- Its platform dubbed Integrated Network Communications
  Architcture (INCA) is the only one supporting 400MHz UHF,
  900 MHz, 2.4GHz open air, IEEE 802.11 DS, IEEE 802.11 FH
- Nortel Networks
  - Access points





#### Breezecom

- Makes adapters, access points, bridges
- BreezeNET PRO.11 single-port adapter (FH)
- BreezeNET PRO.11 access point (FH)
- Cabletron
  - RoamAbout PC Card (DS)
  - RoamAbout access point (DS)
- Ericsson
  - Bridges, residential gateways, access points





- Dell
- RadioLAN
- MaxTech
- NDC
- No Wires Needed
- Zoom





## Where does Xilinx Fit in WLANs?

- Everything!!
  - Enabling broadband local loop in digital modems
    - xDSL, cable, satellite
  - Residential gateways
  - Bridges
    - Enabling different technologies to co-exist
  - Access points
  - Extension points
  - PC cards
  - Enabling the information appliance network
    - Within information appliances
      - Web tablets, screen phones, digital TV/HDTV



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