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



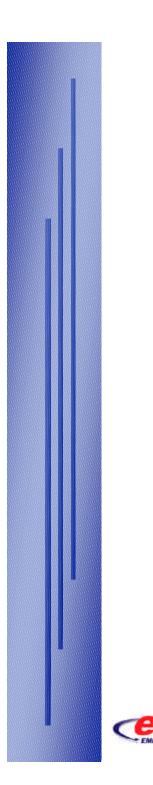


Silicon Vendors

- 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)

XILINX®

- 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

XILINX®



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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