



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

Silicon Vendors

- ◆ RDC
- ◆ Wave Access
- ◆ Airoptics
- ◆ LCI
- ◆ Proteon

Equipment Manufacturers

- ◆ 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

Equipment Manufacturers

- ◆ 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)
- RangeLAN802 8520/21 Access Point
- RangeLink products

Equipment Manufacturers

- ◆ 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

Equipment Manufacturers

- ◆ 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

Equipment Manufacturers

- ◆ 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

Equipment Manufacturers

- ◆ 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 Architecture (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

Equipment Manufacturers

- ◆ 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

Equipment Manufacturers

- ◆ 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