

IT Wireless Fall 2003 Essential Product Guide

■ Enterprise resources for wireless deployment

Welcome to where the rubber meets the road in enterprise wireless. Forget about useful services or creative content until you've figured out where your services will live and how you'll deliver them to your customers and employees.

It became clear in 2002 that wireless LANs — more specifically, it was the year of Wi-Fi, aka 802.11b and its faster 802.11a and 802.11g variants — are the conduit that will bring wireless into the enterprise, rather than cellular-based services. And 2003 showed this trend become reality.

802.11 is essentially an extension of the Ethernet specification for wireless networks. It struggled in early 2002 with holes in its security protocol; academics and random hackers made poking holes in 802.11b into something of a cottage industry. The bottom line is that companies should treat their 802.11 networks as if the information were being broadcast in the clear to anyone within a few hundred feet (which, thanks to the cracking tools now widely available, it is). The situation started firming up earlier this year when the IEEE greenlighted an improved security layer for 802.11b and when the Wi-Fi Alliance, an industry consortium, released its Wi-Fi Protected Access protocol, an early version of the eventual IEEE 802.11i security standard. Companies also have the option of treating clients on 802.11 networks like remote clients — hot spots of coverage continue to bloom along popular business travel corridors — and securing the transmissions with virtual private network (VPN) clients and encryption technologies, both private and public, like Kerberos and FIPS.

Despite the stagnant economy, analyst firms concur that 2004 will continue to see a huge growth in enterprise wireless deployments, with 90% of companies adding wireless to their IT strategic thinking in 2003, according to International Network Services. Allied Business Intelligence says wireless growth will continue to accelerate as multibillion dollar technology and telecommunications companies such as Microsoft, Intel, Dell, AT&T, and IBM enter the wireless LAN industry.

No matter what the network underpinnings, enterprises will see many providers angling to make the connections from mobile devices to email, server, and other information systems, either by providing the systems for IT to deploy or by hosting the connectivity technology. This guide can help you identify the right tools and providers to do so.

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SOFTWARE**CLIENT APPLICATIONS****Access Systems America**www.access-us-inc.com

ASA develops the NetFront mobile browser, which features numerous innovative functions, such as horizontal "just fit" (to view Web sites without horizontal scrolling) zoom, and drag scroll. NetFront for Pocket PC is available from www.handango.com.

Bravo Software Groupwww.remotedesk.net

RemoteCE is a PocketPC-based order-processing product that lets staff take orders by manual input or bar-code scanning, for direct posting into back-end accounting systems.

BVRP Softwarewww.bvrp.com

BVRP Software has released Mobile PhoneTools, a Windows program that manages data and voice communications of laptops with GPRS modems. Its functions include connection configuration and email access.

Expand Beyondwww.xb.com

Expand Beyond develops mobile software for IT management, so organizations can manage databases and network systems — anytime, anywhere — from wirelessly enabled devices.

Margi Systemswww.margi.com

Margi Systems' Wireless Presenter-to-Go is a hardware and software solution that enables wireless delivery of presentations to projectors from any WiFi-enabled notebook or handheld device.

Onset Technologywww.onsettechnology.com

Onset offers Metamessage wireless-access software to bring corporate data access to Research in Motion BlackBerries. It also offers a version for the legal profession.

Paradigm Advanced Technologieswww.powerlo.com

Provides wireless location tracking and security products and services to global enterprises and government organizations.

SalesTool.comwww.salestool.com

SalesTool.com lets salespeople, trainers, and customer support staff deliver online presentations and Webinars from a wireless PDA or by voice commands from a cell phone.

StarRemote Wirelesswww.starremote.com

The StarAdmin software lets IT administrators manage their enterprise systems, including servers, printers, databases, and users from any Web-enabled wireless PDA, mobile phone, or other wireless handheld.

Verb Exchangewww.verbx.com

Verb Exchange provides presence communications for organizations and mobile professionals. Verb Exchange simplifies voice, wireless, fax, email, and Web-based communications for people on the move.

WolfeTech Developmentwww.wolfetech.com

WolfeTech develops software applications for wireless devices to provide mobile business professionals with wireless solutions. WolfeTech provides consumer applications and custom wireless enterprise solutions.

Xeroxwww.xerox.com

Xerox's remote access software, mDoc, communicates with handhelds to allow users to wirelessly access, e-mail view, fax, and print documents stored on a corporate server.

WIRELESS PLATFORMS**ABP Systems**www.abpsystems.com

ABP Systems develops software tools that help

in the design, management and optimization of the wireless LAN network.

Air2Webwww.air2web.com

Air2Web's Mobile Internet Platform delivers wireless applications. Using an XML-based platform, developers can write a single application that simultaneously supports all carriers and devices.

Alattowww.alatto.com

The Memphis Platform provides underlying MMS cellular messaging functionality including interfacing with the MMSC, marshalling and dispatching the messages, generating CDRs, integrating with prepaid systems, and providing links to customer information systems.

Asynchrony Solutionswww.asolutions.com

Asynchrony Solutions offers wireless security, collaboration, systems integration, and custom application development.

AvantGowww.avantgo.com

The AvantGo M-Business Server is a mobile software platform for creating and deploying enterprise applications. The company also provides professional services, and mobile business applications for customer relationship management, sales force automation, supply chain management, and field force automation.

Broadbeamwww.broadbeam.com

Broadbeam's Mobile Solutions System and ExpressQ Wireless Platform let companies worldwide design, develop, and deploy mobile applications with ease. About 300 businesses currently rely on Broadbeam, with over 200,000 licenses deployed.

Captariswww.captaris.com

Infinite Mobile Delivery from Captaris securely extends the reach of company email, groupware, and other enterprise information to Web-enabled devices, including text-to-speech and voice-reply options.

Citrix Systemswww.citrix.com

The Citrix platform lets mobile users access rich, full applications and data in its original format, not limited-functionality wireless variants. There is no need for costly development, middleware, or upgrades.

Defywirewww.defywire.com

The Defywire Mobility Suite securely connects enterprise information to a mobile workforce in real time over any network using any Java-based device. Defywire sells direct and through partnerships with Sun, WebMethods, GE Access, and Sharp.

Emerginwww.emergin.com

Emergin WirelessOffice is a modular software platform that lets users and applications deliver real-time text messages to mobile employees. Emergin WirelessOffice is interoperable with best-selling enterprise applications.

Ericssonwww.ericsson.com

Ericsson's solutions include mobile and broadband network infrastructure, access equipment and terminals, application enablers, and broad range of services to deliver communications solutions to enterprises, operators, and service providers.

Extended Systemswww.extendedsystems.com

The XTNDConnect Server lets users synchronize Palm, Pocket PC, SyncML, Symbian, and RIM mobile devices with corporate servers, including Microsoft Exchange, Lotus Domino, and any ODBC-compliant database.

IBMwww.ibm.com/webspheremq/everyplace

IBM WebSphere MQ Everyplace lets you conduct business with confidence anytime, anywhere. It connects mobile and wireless applications with the enterprise using secure and dependable messaging for online-when-available working.

Interactive Intelligencewww.inin.com

Mobilité is a wireless application gateway that lets companies rapidly create, deploy, and maintain productivity applications for PDA devices.

iOrawww.iora.com

iOra provides the Mobile Intranet product to let mobile workers access the company portal or intranet through wireless services.

iSecureTracwww.isecuretrac.com

iSecureTrac is an information services and technology company providing solutions for the mobile tracking of individuals and assets, including real-time data collection, secure remote reporting, and data warehousing.

LRW Digitalwww.lrwdigital.com

RemoteAutoReply for BlackBerry creates a customized autoreply message for chosen recipients. RemoteDistributionList sends emails to multiple preferred addresses. RemoteMulti-Calendar lets users to view Microsoft Outlook calendars and address books.

L3 Technologywww.l3technology.com

L3 Technology offers a Java-based wireless platform designed to be used throughout the enterprise to enable wireless access to corporate data and application environments.

Microsoftwww.microsoft.com

Microsoft offers wireless support in its server operating systems and email platforms, as well as client support in its Windows XP operating system.

Navini Networkswww.navini.com

Navini Networks offers wide-area wireless broadband technology that delivers multimegabit speeds to customers up to 8 miles from the base station. Navini provides nomadic, zero-install, non-line-of-sight

infrastructure to allow for anytime, anywhere Web access. Navini Networks' Ripwave products consist of a desktop modem or PCMCIA card, base station, and element management system (EMS) and run in the 2.3GHz, 2.4GHz, 2.5GHz/2.6GHz and 3.5GHz spectrums.

NotePagewww.notepage.net

NotePage provides alphanumeric paging, SMS, and wireless messaging software solutions. Its software sends text or SMS messages to pagers and cell phones.

NowSpeedwww.nowspeed.com

NowSpeed's mobile access solution delivers enterprise email (with attachments), calendar and contact data) to virtually any wireless device or touch-tone telephone. NowSpeed Mobile Office also automatically synchronizes content across all mobile devices.

Odyssey Softwarewww.odysseysoftware.com

Odyssey Software develops mobile enterprise data-access software infrastructure products for Microsoft Windows powered mobile device platforms that reduce the time, complexity, and effort required to build mobile applications.

Onset Technologywww.onsettechnology.com

Onset Technology's Metamessage for Wireless is a suite of software that gives business users access to virtually any data on their enterprise network using a wireless email device such as RIM's BlackBerry.

Pager Softwarewww.pager-software.com

The company provides software to send text or SMS messages to pagers or mobile phones.

PrinterOnwww.printeron.net

The company provides campuswide and hot-spot printing from laptops and Pocket PCs.

Semotus Solutionswww.hiplinkwireless.com

Semotus's HiplinkXS wireless enterprise messaging software provides event notification and two-way clients for IT applications like AppManager, Remedy, and HP OpenView. In partnership with Reuters, Semotus provides real-time wireless financial data with the Global Market Pro product line.

Send Text Messagewww.send-text-message.com

The company provides software to send text messages to cellular phones, mobile phones, pagers, or other wireless devices.

Softhill Technologieswww.brilan.com

The BriLAN NOS and NMS operating system and management tool to build your own wireless network devices include fully featured bandwidth management capability per client.

Televigationwww.telenavtrack.net

Televigation's TeleNavTrack offers a mobile phone-based tracking service with integrated audible and visual Global Positioning System (GPS) navigation, electronic time-sheet reporting, and interactive dispatching, that operates over Nextel Communications' digital wireless network.

VNViwww.vnvi.com

VNVi provides customer relationship management (CRM), logistics, and field service solutions to service customers while on the move in the logistics, health care, transportation, and utilities industries.

Vytek Messaging Serviceswww.vytek.com

Vytek's TelAlert offering is a NSM urgent notification tool for distributed organizations with remote staff requiring 24/7 access to and resolution of critical information using any handheld device.

Wap Online USAwww.waponlineusa.com

WapOnline provides wireless and cross-media services, from SMS to MMS value added services and from WAP to Interactive TV integrations. WapOnline offers turnkey wireless solutions and customized applications.

WebLink Wirelesswww.weblinkwireless.com

WebLink Wireless provides provides two-way wireless messaging, wireless email, mobile Internet information, customized business solutions, and telemetry services to more than 1.2 million customers.

WhereNetwww.wherenet.com

The WhereNet system offers a single, integrated wireless infrastructure for 802.11b connectivity, real-time asset location, telemetry, and messaging applications — all with a time to benefit of less than 90 days and a proven ROI of less than one year.

01 Communiquéwww.01com.com

I'm InTouch is a remote access service that allows access to PCs when users are away and need access and full control of email, calendar, contacts, files, and desktop applications.

SECURITY SOFTWARE**AirDefense**www.airdefense.net

AirDefense provides the security and operational support for 802.11 wireless LANs with 24/7 monitoring to identify rogue wireless LANs, detect intruders and attacks, enforce network security policies, deflect intruders from the network, and monitor the health of the wireless LAN.

Bluefire Security Technologieswww.bluefiresecurity.com

Bluefire's Mobile Firewall Plus is the first mobile firewall, IDS, and integrity monitoring system specifically designed for handhelds. Bluefire's software is unique in providing always-on protection for the device itself.

Columbitechwww.columbitech.com

The Columbitech Wireless Suite offers a software-only solution for enterprises with mobile staff that connect via Bluetooth, 802.11, and cellular connections.

Cranite Systemswww.cranite.com

Cranite's wireless LAN security software delivers FIPS140-2 level security, a stringent federal requirement set by the National Institute of Standards and Technology necessary to sell technologies into government agencies.

Diversinetwww.diversinet.com

Passport One is a complete security solution for both wired and wireless devices, delivered within a single environment. It offers robust security tools, including accredited digital certificates, on-demand digital signatures, and strong encryption.

Fiberlink Communicationswww.fiberlink.com

Fiberlink Wireless Hot Spot Access makes wireless broadband (802.11b) safe for the enterprise. Currently deployed at more than 1,100 hot spots, the solution integrates best-in-class security technologies including VPNs, distributed firewalls, and virus protection.

GuardedNetwww.guarded.net

NeuSecure centrally monitors and performs threat analysis in multivendor enterprise security environments by correlating log data files in real time so users detect and respond to security breaches as they occur.

Internet Security Systemswww.iss.net

Internet Security Systems' Wireless Scanner application provides automated detection and security analyses of mobile networks using 802.11b (Wi-Fi) access points and clients.

NetMotion Wirelesswww.netmotionwireless.com

NetMotion Mobility software securely

maintains applications when roaming across networks.

Network Associates

www.nai.com

McAfee VirusScan Wireless provides a virus security solution for mobile and handheld devices, such as Palms and Pocket PCs, that connect to your network.

Perfigo

www.perfigo.com

Perfigo is a provider of software-based wireless LAN security and management solutions. SecureSmart blends hardened wireless LAN security with comprehensive user and device management into a single, centrally deployed system for managing and securing wireless LANs.

Red-M

www.red-m.com

Red-M's Genos enterprise software solutions provide management and security for both 802.11 wireless LAN and Bluetooth networks and can scale up to networks consisting of 10,000s of users and thousands of access points.

ReefEdge

www.reefedge.com

ReefEdge Dolphin provides advanced security, mobility with session persistence and management for wireless LANs in small to midsize businesses. It is a server-based solution that offers scalable enterprise-class security.

RSA Security

www.rsasecurity.com

RSA Mobile authentication solution is designed to use mobile phones, PDAs, and the Short Messaging Service (SMS) infrastructure to quickly deliver one-time access codes to end users for secure entry into Web-based applications.

Sigaba

www.sigaba.com

Sigaba provides security tools for enterprises deploying wireless mobile devices.

Sygate Technologies

www.sygate.com/products/pspf_ov.htm

Sygate Personal Firewall Pro integrates intrusion prevention and advanced firewall technologies. Five-seat licenses costs \$180.

Symbol Technologies

www.symbol.com

Symbol's MobiusGuard, a comprehensive suite of wireless networking security mechanisms, secures the components of wireless mobile networks without compromising application or mobile device security and performance.

WIRELESS NETWORK MANAGEMENT

AirWave

www.airwave.com

The AirWave Management Platform is a comprehensive wireless network management solution that helps reduce support costs, improve network performance, and enforce security policies uniformly across a wireless LAN.

Birdstep Technology

www.birdstep.com

Birdstep's IP Zone wireless access software suite offers improved security and intrusion detection, rapid hot spot deployment through automatic installation, and integrated support for seamless mobility between wireless LAN zones and cellular networks.

Broadbeam

www.broadbeam.com

For enterprises that need their employees, customers, and partners to be integrated into business processes, Broadbeam's products and services enable companies around the world to design, develop, and deploy mobile applications.

Fiberlink Communications

www.fiberlink.com

Fiberlink extends policy management, security, and simplified usability to wireless devices. Fiberlink provides mobile employees with the same secure access to enterprise data over wireless networks as from their desktops.

Intermec Technologies

www.intermec.com

MobileLAN manager is an intuitive, scalable software solution that increases network efficiency and tracks new and existing devices on the network with great accuracy. The Java-based application works on Windows, HP-UX, Linux, and Solaris platforms.

Microsage Wireless

www.microsagewl.com

Microsage provides applications to simplify the configuration and use of Bluetooth and 802.11. Products include a Bluetooth management suite, a dial-up networking application, and software that roams between wired, Wi-Fi and Bluetooth data connections.

Monitoring Software

www.monitoring-software.net

The company provides many types of network monitoring software.

NetIQ

www.netiq.com

AppManager for BlackBerry Enterprise Server provides advanced management, diagnostics, and analytics of BlackBerry deployments, related Windows systems, applications, and server infrastructure through a central console.

NetMotion Wireless

www.netmotionwireless.com

NetMotion Mobility software enables reliable wireless computing with persistent connectivity to applications and end-to-end VPN security. It requires no application or network modification, is centrally managed, and installs quickly and efficiently.

NetNearU

www.netnearu.com

NetNearU is a turnkey provider of software management solutions for wireless LAN networks. The TrackOS management solution performs all system management, customer management, and billing functions.

Network Associates

www.networkassociates.com

Sniffer Wireless manages network applications

and deployments on 802.11a and 802.11b networks. It identifies security risks and network problems in real time and reduces network operating costs. By tracking all wireless behavior and displaying all known information, it can quickly determine if an environment is performing efficiently, ensuring that performance problems are discovered and resolved.

Red-M

www.red-m.com

Red-M's Genos enterprise software solutions provide management and security for both 802.11 wireless LAN and Bluetooth networks and can scale up to networks consisting of tens of thousands of users and thousands of access points.

ReefEdge

www.reefedge.com

ReefEdge provides advanced security, mobility with session persistence and easy management for wireless LANs. ReefEdge unifies enterprise wireless networks by supporting multiple vendor, multiple radio technologies, and all connected mobile devices.

Senforce Technologies

www.senforce.com

Senforce offers client security software for mobile devices that can autoconfigure itself in different environments.

Softhill Technologies

www.brilan.com

Softhill Technologies offers BriLAN NMS, a network management system that lets users manage, set up, and monitor performance of BriLAN-based wireless devices remotely from all around globe.

Sygate Technologies

www.sygate.com

Sygate Secure Enterprise uses agents on endpoints and network access points to enforce centrally managed policies that prevent loss, theft, and damage. Policies follow the user or computer, adapting to prevent exposure and block threats dynamically.

Symbol Technologies

www.symbol.com

Symbol's AirBeam Smart client software reduces the amount of time managing mobile devices by automatically ensuring that they always have the right software through wireless software distribution and version control.

WhereNet

www.wherenet.com

The WhereNet system offers a single, integrated wireless infrastructure for 802.11b connectivity, real-time asset location, telemetry, and messaging applications.

WildPackets

www.wildpackets.com

AiroPeek NX lets IT professionals manage every segment of their extended wireless network with powerful problem detection heuristics and 802.11-specific diagnostic capabilities.

Wireless Valley Communications

www.wirelessvalley.com

Wireless Valley's products are used to predict, measure, optimize and manage cellular and PCS in-building systems, as well as public and private wireless networks.

XcelleNet

www.xcellenet.com

XcelleNet provides mobile infrastructure solutions that control devices, maintain corporate applications, ensure currency of data, enable communications over networks, and enforce security policies to protect data.

VIRTUAL PRIVATE NETWORKS

Diversinet

www.diversinet.com

The Passport Wireless VPN lets organizations provide their mobile workforces with secure wireless access to corporate data. It offers seamless roaming between wireless networks, optimized performance, and convenient always-on connectivity.

Ecutel

www.ecutel.com

Ecutel provides mobile virtual private network (VPN) software based on proven security and mobility standards such as IPsec and Mobile IP.

iPass

www.ipass.com

By harnessing the flexibility of IP data communications, iPass enables secure access over multiple computer platforms and access devices via wireless and wireline broadband, ISDN, dial-up, and other access technologies.

Sygate Technologies

www.sygate.com

Sygate VPN Enforcer is a network gateway device that enforces host integrity at network access points to the enterprise network. SVPNE communicates with Sygate Management Server to obtain enforcement policy and agent authentication information.

NETWORK TESTING AND MONITORING

AbsoluteValue Systems

www.linux-wlan.com

AVS provides a remote wireless LAN monitoring and test tool called AirScope.

AirMagnet

www.airmagnet.com

The AirMagnet Distributed System leverages remote intelligent sensors, each equipped with its own analysis engine purpose-built for Wi-Fi to proactively identify over 60 conditions that can impact the integrity of wireless networks. The company also offers notebook- and handheld-based detectors for on-the-ground monitoring.

Baseband Technologies

www.linkferret.ws

LinkFerret is a versatile 802.11 network monitor and packet sniffer. It supports all essential wireless monitoring functionality, including signal monitoring, channel scanning, and WEP decryption.

NetMotion Wirelesswww.netmotionwireless.com

NetMotion Mobility software enables reliable, secure mobile computing. NetMotion securely maintains applications when roaming across networks. It lets users go from Wi-Fi to CDPD, GPRS, or GSM without having to change device configurations.

Padcomwww.padcomusa.com

The Padcom Connectivity Suite is a modular software platform that provides a seamless handoff between dissimilar wireless data networks, allowing continuous connectivity and consistency in wireless applications.

PCTelwww.pctel.com

The PCTel Segue platform is a turnkey software solution that delivers 802.11 wireless data roaming.

SkyNetGlobalwww.skynetglobal.com

SkyNetGlobal delivers secured remote access to corporate networks across multiple technologies through one single service virtually from anywhere.

MOBILITY APPLICATIONS**Adomo**www.adomo.com

Adomo, a speech appliance, turns any phone into a tool for verbally accessing Microsoft Exchange, allowing mobile professionals to have real-time interactions with their corporate email, calendar, and contacts from any phone in the world.

Aligowww.aligo.com

Aligo offers a suite of award-winning mobile business solutions designed to provide mobile workers with always-available access to applications and data from any location and from any device.

Avesairwww.avesair.com

Avesair provides mobile marketing technology and services for mobile carriers, publishers, and media companies. Avesair's technology lets partners drive media revenue and increase adoption of wireless data services.

CTCwww.loudpc.com

LoudPC lets users remotely access and share PC files, email, contacts, calendars, tasks, and notes from any Web-enabled phone or PDA.

Digitellumwww.digitellum.com

Mobius provides the buttonless Automated Vehicle Surveillance tracking system.

Expertcitywww.gotomypc.com

GoToMyPC PocketView is real-time remote access that lets users of wireless devices view and control the full desktop of their PCs. Features include scaling, image rotation and one-click scrolling to enable faster movement around the desktop.

Extended Systemswww.extendedsystems.com

Extended Systems helps "mobilize" enterprise applications and builds custom mobile applications to extend enterprise data to mobile workers. It supports wired and wireless access from PDAs, WAP phones, RIM pagers, and standard desktop browsers.

FusionOnewww.mightyphone.com

MightyPhone is a mobile service that continually refreshes your calendar, address book, and to-do list with information from your Web- or PC-based organizer.

iAnywhere Solutionswww.myavantgo.com

My AvantGo delivers personalized content and applications to mobile devices. More than 2,500 major brands, including American Airlines, CNN, and General Motors use My AvantGo to target a desirable demographic of

over 8 million registered users.

JP Mobilewww.jpmobile.com

JP Mobile offers SureWave Enterprise Server for secure access to enterprise business applications, e-mail, and the full range of personal information management (PIM) data on handheld devices. It supports handheld devices in all the major platforms, including Palm, Pocket PC, Research in Motion, and Symbian, as well as Wireless Application Protocol (WAP) devices.

MDSI Mobile Data Solutionswww.mdsi-advantex.com

Advantex is MDSI's mobile workforce management solution that allows companies to meet customer commitments and provide optimal service delivery, while reducing costs and streamlining operations.

Minorplanet Systems USAwww.minorplanetusa.com

Vehicle Management Information is a GPS-based fleet management system that monitors vehicles minute by minute. The innovative system provides real-time, historical and exception-based reports designed to improve company revenues and reduce fleet costs.

Mobitorwww.mobitor.com

Mobitor has developed a comprehensive mobile sales force automation/customer relationship management (SFA/CRM) system called Mobile Business Manager (MBM). MBM extends the reach of CRM systems to mobile professionals and provides a collaborative platform that improves sales performance.

My Docs Onlinewww.mydocsonline.com

My Docs Online is a multiuser, secure file sharing service for workgroups or customers. Wireless tools deliver, fax, and read files, projects, and attachments.

Optimus Solutionswww.optimussolutions.com

Optimus's Mobile & Wireless Group offers its software development skills and rigorous tech-

nology experience for enterprise integration, collaboration, workflow, mobile/wireless, and e-commerce applications.

PointServe

www.pointserve.com

PointServe provides service supply chain management solutions that optimize the economic performance of the field service organization, from demand forecasting to customer appointment setting to service technician scheduling and dispatching.

PowerLOC Technologies

www.powerloc.com

PowerLOC provides wireless location tracking and security products and services to global enterprises and government organizations with strategic partners targeting homeland security solutions for military applications.

PrinterOn

www.printeron.net

PocketWhere lets individual and enterprise Pocket PC users print and fax documents, Web pages, emails, contacts, and attachments directly from a Pocket PC handheld to any networked printer or fax machine.

Telispark

www.telispark.com

Telispark provides enterprise mobility applications (EMA) to help large organizations generate operational efficiency and increase asset utilization by delivering packaged, industry-specific enterprise applications for the mobile workforce.

Thinque Systems

www.thinque.com

Thinque provides mobile enterprise applications for field force automation (FFA) and sales force automation (SFA) for business process improvement that deliver the business rules, business processes, and enterprise data required by mobile workers.

Xpherix

www.iphonebook.net

iPhonebook is a mobile data service that wirelessly links your mobile phone to the address and calendar content in your existing Microsoft Outlook, Outlook Express, or Palm application.

HARDWARE

CLIENT DEVICES

Centurion Wireless Technologies

www.centurion.com

For 25 years, Centurion has been the leading designer and manufacturer of antennas and power products for mobile phones, portable radios, handheld devices, telematics, custom design and in-building wireless communications.

Compsee

www.compsee.com

Compsee manufactures the Apex series of portable batch and wireless terminals, along with a series of keyboard wedges.

DeLorme

www.delorme.com

DeLorme offers Global Positioning System-based devices for vehicle tracking, location mapping, and other geography-based applications.

Good Technology

www.good.com

Good provides a handheld messaging device that wirelessly connects to corporate email and other data.

GN Netcom

www.gnnetcom.com

The cordless headset naker also offers a wirelessly enabled headset that works through an access point, giving people a 300-foot typical range during the call.

Handspring

www.handspring.com

With Treo communicators, making calls, accessing email, sending short messages and web browsing is possible from one device.

Intermec Technologies

www.intermec.com

The Intermec 760 Color is the first rugged mobile computer to support GPRS or CDMA con-

nectivity, letting users make voice calls and access enterprise data wirelessly through high-speed packet data networks.

LinksPoint

www.linkspoint.com/hardware.asp

LinksPoint manufactures and Global Positioning System components for Symbol's and Intermec's mobile computing devices as well as software for using GPS on these devices such as automatic vehicle location, breadcrumbing, dispatching, and geocoding.

LXE

www.lxe.com

LXE designs and manufactures rugged data-collection solutions, including wireless computers, scanners, and wireless networking products that improve performance of supply-chain execution applications.

Palm Solutions Group

www.palm.com

Palm products, such as the new Tungsten line of wireless PDAs, give enterprise employees access to information they need to make informed business decisions on the go.

Pharos Science & Applications

www.pharosgps.com

Pharos Science & Applications offer a navigation kit for Pocket PCs that includes a modular Bluetooth GPS receiver. Pharos iGPS-BT allows drivers to turn any Bluetooth-enabled device into a portable navigation system.

Possio

www.possio.com

Possio has developed a wireless client device that connects to 802.11, Bluetooth, and UMTS-TDD networks, automatically switching as needed. UMTS-TDD is a data-only third-generation (3G) cellular technology that IPWireless has deployed in some U.S. and other cities. It also lets multiple users connected via 802.11 share a UMTS-TDD connection.

Psion Teklogix

www.pSIONteklogix.com

A rugged mobile computing device, Psion Teklogix's Netpad bridges the gap between keyboard-equipped industrial computers and

less rugged portable devices. It can withstand five-foot drops and be submerged in 3.3 feet of water for 30 minutes.

Research in Motion

www.blackberry.net

The RIM BlackBerry provides quick, easy wireless access to corporate e-mail, calendar, and address books wherever you go. The BlackBerry includes desktop tools, server software, and a choice of wireless networks to connect via.

Sierra Wireless

www.sierrawireless.com

Sierra Wireless offers the AirCard, a wireless PC Card for portable computers, OEM modules for embedded applications, and vehicle-mounted wireless systems.

Socket Communications

www.socketcom.com

Socket provides a broad range of network connection products for Windows-powered handheld computers, including Bluetooth cards, wireless LAN cards, and digital phone cards. Socket also provides bar code scanning products and peripheral connection serial cards for laptops and other mobile devices.

SpectraLink

www.spectralink.com

SpectraLink's NetLink Wireless Telephones integrate with the best-selling traditional and IP-based PBX systems to improve productivity and responsiveness.

Sygate Technologies

www.sygate.com

Sygate Wireless Enforcer is a network gateway device that enforces host integrity at network access points to the enterprise network.

Symbol Technologies

www.symbol.com

Symbol provides application-specific mobile computing devices with a combination of wireless LAN and wireless WAN connectivity option and integrated bar-code scanning.

Toshiba Computer Systems Group

www.csd.toshiba.com

Toshiba's Pocket PC e750 provides convenient wireless access, increased storage capacity for data, and multimedia files. It costs \$599.

ViewSonic

www.viewsonic.com

ViewSonic's Pocket PC V35 keeps you organized, efficient, and connected. It lets you transfer your email and important office documents from your PC easily and quickly.

Vocera Communications

www.vocera.com

The Vocera Communications System provides hands-free, voice-activated communications throughout any 802.11b networked campus, using a communications badge and central server. The system enables instant voice conversations among team members.

WIRELESS-ENABLED NOTEBOOKS

Acer America

www.acer.com/aac

Acer's TM632XCi-D notebook integrates 802.11b wireless LAN to deliver a notebook with value, performance, and portability.

Apple Computer

www.apple.com

Apple's PowerBooks and iBooks offer 802.11b and 802.11g AirPort networking, depending on the model.

Dell Computer

www.dell.com

Dell offers 802.11 networking in some models of its notebooks and tablets.

Gateway

www.gateway.com

Gateway offers 802.11 networking in some models of its notebooks.

Hewlett-Packard

www.hp.com

Hewlett-Packard offers 802.11 networking in some models of its notebooks and tablets.

IBM

www.ibm.com

IBM offers 802.11 networking in some models of its notebooks.

ICM

www.icmcorp.com

ICM offers rugged laptops, tablets, handhelds, wireless modems, vehicle mounts and installs, and wireless mobile software for integration into enterprise data.

Panasonic Computer Solutions

www.panasonic.com/toughbook

Panasonic provides mobile professionals with the ruggedized, wireless-ready Toughbook line of notebook and handhelds.

Sony Electronics

www.sony.com

Sony offers wireless networking in some models of its notebooks.

Toshiba Computer Systems Group

www.csd.toshiba.com

The Toshiba Portégé R100 is a offers ultraportable wireless computing, starting at \$2,199. The Tecra M1 for corporate users incorporates Intel's Centrino mobile technology, providing IT managers a stable, scalable notebook, starting at \$2,067. The Portégé 2500 wireless tablet PC starts at \$2,299.

ViewSonic

www.viewsonic.com

ViewSonic's Tablet PC V1100 is a fully functional, network-ready PC in a convenient form factor featuring integrated WAN, LAN and Wi-Fi.

**ACCESS POINTS, ROUTERS,
AND GATEWAYS****Airespace**www.airespace.com

The Airespace Wireless Enterprise Platform includes the Airespace Control System for expert visibility into the RF domain, Airespace 4000 Wireless Switch for critical intelligent switching functions, and Airespace 1200 Access Point.

Alvarionwww.alvarion.com

The BreezeAccess VL wireless Ethernet bridge operates in the 5GHz frequency band, providing very-high-capacity and very-secure enterprise bridging and point-to-point or point-to-multipoint connections even when remote facilities are obscured by natural or man-made obstacles, such as trees and buildings. The unit requires no external power, no antennas, complex coaxial cabling, enclosures, or amplifiers.

AmbiComwww.ambicom.com

AmbiCom provides 802.11b access points and client adapters.

Aruba Wireless Networkswww.arubanetworks.com

Aruba manufactures and markets high-performance wireless network switching systems for enterprises and hot-spot service providers.

Asanté Technologieswww.asante.com

Asanté provides PC Card, PCI, USB 802.11 client adapters, as well as USB Bluetooth adapters, for Windows and Macintosh users.

Belkinwww.belkin.com

The Belkin Wireless Network Access Point, Notebook Card, and Desktop PCI Card are interoperable with any 802.11b device. It also offers a wireless router.

Bluesocketwww.bluesocket.com

Bluesocket's Wireless Gateways are single-component network systems that secure and manage wireless networks and provide user authentication, bandwidth management, and administrative management in government, education, enterprises, and public hot spots worldwide.

BRC Communicationswww.brc.co.il

BRC Communications' Faxport unit offers SM-Sport, an in-house, bidirectional Short Message Service (SMS) Server that sends and receives SMS messages directly from and to corporate email systems, such as Microsoft Outlook, Microsoft Exchange, Lotus Notes Domino, and Unix and Linux mail servers.

Buffalo Technology USAwww.buffalotech.com/wireless

Buffalo Technology manufactures a line of 802.11 access points, client adapters, and antennas for enterprise and consumer users.

Cirronetwww.cirronet.com

Its wireless data products include Ethernet bridges, network access points, and stand-alone serial modems for flexible and customized wireless network deployment.

Cisco Systemswww.cisco.com

The Aironet 1100 Series IEEE 802.11b Wireless LAN Access Point delivers enterprise features including virtual LANs, Mobile IP, QoS, and upgradability in a single, scalable device. Cisco also offers 802.11a and 802.11g access points and client hardware.

Cybernet Systemswww.cybernet.com

Cybernet offers Linux-based NetMaxt "Internet appliances" — essentially, preconfigured servers — that support wired and 802.11b networks, including support for firewalls and VPNs.

Digital Networkswww.digitalnetworks.net

The DNwireless AP11 802.11b access point and PC Card client adapter provide cost-effective wireless LAN connectivity, with a SNMP management utility. The DNwireless NetCatcher 802.11b Broadband Router provides Internet access for multiple users sharing a single-user account, as well as firewall and access filtering.

Efficient Networkswww.speedstream.com

From wireless and powerline networking to DSL modems, high speed routers and more, award-winning SpeedStream products link computers to each other and to the Internet.

Ensemble Communicationswww.ensemble.com

Ensemble Communications designs, manufactures, and markets point-to-multipoint systems operating at frequencies from 10GHz to 45GHz for mobile backhaul and broadband wireless access markets worldwide. Ensemble's wireless system supports point-to-point and point-to-multipoint backhaul links in a single platform with both dedicated and shared bandwidth services.

Enterasys Networkswww.enterasys.com

Enterasys RoamAbout Wireless offers networked solutions tailored for enterprise-level computing environments: increased productivity, investment protection, reduced installation costs and the highest standards in wireless end-to-end security.

Fortress Technologieswww.fortresstech.com

Fortress Technologies offers flexible and proven enterprise security products that address the inherent risks of 802.11 and other wireless networks. Its flagship product, AirFortress, provides strong encryption and authentication for wireless LANs.

Foundry Networkswww.foundrynetworks.com

Foundry Networks has released a software upgrade to add wireless LAN support to its Fast-Iron Edge line of switches.

Gentek Marketingwww.gnet.ca

The Gnet wireless product includes 22Mbps 802.11b, 2.4GHz wireless routers/access points, and PCI and PC Card adapters for homes, home offices, and small to medium businesses.

Hewlett-Packardwww.hp.com

HP offers a wide variety of secure wireless connectivity products for home and commercial applications, including wireless access points, wireless cards, and related adapters.

Intermec Technologieswww.intermec.com

Now included with Intermec's MobileLAN access point software, the Embedded Authentication Server helps small to mid-size businesses or remote independent sites, making possible affordable and easily maintained wireless network security. The 802.11a/b WA21 access point withstands moisture, chemicals, extreme temperatures, and harsh environments.

IOGearwww.iogear.com

IOGear's Bluetooth Network Starter Kit includes two adapters to connect computers to wireless-enabled devices for data synchronization.

ITServwww.itserv.com

ITServ's network-security appliances include the Rideway Station WLAN that supports 802.11 connections and forces sessions to run through a VPN.

KoolSpanwww.koolspan.com

KoolSpan has released SecurEdge, which uses a lock-and-key approach to securing Wi-Fi transmissions and authentication that identifies the individual user rather than just the user's computer. Users plug a smart-card-based dongle into a USB port on their mobile device; this dongle contains a unique client key that is validated by a KoolSpan "lock" installed behind the access point, regardless of standard and

vendor. The technology also works for users accessing the corporate network via a public hot spot, regardless of whether that hot spot uses the KoolSpan technology itself.

Legra Systemswww.legra.com

Legra's wireless LAN switching solution consists of the Legra Switch, the Legra Radio (including versions for 802.11a, 802.11b, and 802.11g), and the Legra Manager.

Linksyswww.linksys.com

Linksys's line of 802.11b and g products include PC Card, USB, PCI, and CompactFlash client adapters, as well as wireless access points, print servers, and routers. The Cisco division's line of 802.11a wireless products include a PC Card and access point.

Mitel Networkswww.mitel.com

Mitel Networks provides enterprises with access to a variety of wireless solutions including IP PBXs with 802.11b gateways and multiple user devices for in-building voice and data access.

National Datacommwww.ndclan.com

NDC's InstantWave 802.11b 11Mbps product line consists of an access point, a bridge, both a PC Card and a PCI client adapter, and various indoor and outdoor antennas.

Netgearwww.netgear.com

Netgear offers the HA501 802.11a 32-bit CardBus adapter for notebooks, as well as the Netgear MA301 802.11b PCI adapter. It also offers wireless routers and print servers.

Nortel Networkswww.nortelnetworks.com

Nortel, best known for its corporate and carrier network infrastructure offerings, also has a suite of tools for enterprises to implement wireless access: the Nortel WLAN Security Switch, WLAN Access Point, WLAN Mobile Adapter, and WLAN Mobile Voice Client.

Proximwww.proxim.com

Proxim offers indoor wireless products for enterprises and hot spots, and point-to-point and point-to-multipoint wireless systems for outdoor enterprise and telecom connections, cellular backhaul, homeland security, and last mile connectivity.

ReefEdgewww.reefedge.com

The ReefEdge Wireless Services Fabric addresses the full range of requirements of wireless LAN deployments within large enterprises.

SMC Networkswww.smc.com

From basic to leading-edge, SMC Networks' portfolio of products provides 802.11a/b/g solutions for small and medium-sized businesses and home/small office environments.

Socket Communicationswww.socketcom.com

The Bluetooth Connection Kit, a CompactFlash card for Pocket PC handhelds, enables access to email and Internet via Bluetooth-enabled phones. The Low Power Wireless LAN Card, a CompactFlash card, connects Pocket PC handhelds to 802.11b wireless LANs.

SonicWallwww.sonicwall.com

SonicWall offers the SOHO TZW wired-to-wireless LAN bridge for small businesses. It provides IPSec authentication and encryption on virtual private networks and enforces security policies on client systems. It also provides a guest zone for public areas that let visitors access the Internet but not corporate networks.

Sony Electronicswww.sony.com/vaio

Sony offers a complete line of 802.11 products, including the first 802.11a access point and PC Card, as well as 802.11b PC Cards.

Symbol Technologieswww.symbol.com

Symbol develops and deploys 802.11a and

802.11b wireless LAN infrastructure, including wireless LAN switches, access points, client adapters, and routers.

TDK Systems

www.tdksystems.com

TDK provides Bluetooth client adapters for Hewlett-Packard iPaqs, various Palm and Palm-based IBM PDAs, desktop PCS, and notebooks. The device enables cable-free data exchange between PCs and Bluetooth-enabled mobile phones, PDAs, and headsets.

Teletronics International

www.teletronics.com

Teletronics offers a broad range of wireless LAN cards and access points.

3Com

www.3com.com

3Com offers customers a wide range of 802.11a, 802.11b, and 802.11g PC cards and access points for both enterprise and consumer environments.

Trapeze Networks

www.trapezenetworks.com

Trapeze Networks provides scalable wireless LAN systems that deliver the power of business applications and services to the mobile enterprise workforce.

Uniden America

www.uniden.com

Uniden offers 802.11b access points, as well as PCI and USB client adapters.

U.S. Robotics

www.usr.com

U.S. Robotics' 22Mbps wireless networking family offers enhanced security, greater range, and better area coverage than conventional 11Mbps devices — delivering up to 4 times faster data throughput speeds over other 802.11b-standard devices.

Vernier Networks

www.verniernetworks.com

Vernier Networks' distributed gateway solutions simplify how organizations integrate, secure, and manage access to their wireless

LANs. Vernier products provide user-based role management and a packet-inspection engine. Vernier's gateways provide centralized management and control, role-based business policy enforcement, secure mobile services, tiered layers of security, and scalability.

Vocera Communications

www.vocera.com

The Vocera Communications System is a wireless platform that provides hands-free, voice-activated communications throughout any 802.11b-networked campus. The system is made up of the Vocera Server Software and the Vocera Communications Badge.

Wave Wireless Networking

www.wavewireless.com

The SpeedLAN 9000 11Mbps broadband wireless routers offer mesh technology and 128-bit AES encryption to connect buildings up to 25 miles apart for self-healing mesh, point-to-multipoint, or simple building-to-building deployment.

Winncom Technologies

www.winncom.com

Winncom is a value-added distributor of hardware, software, and accessories for wireless LAN and wireless WAN solutions.

Wireless Cables

www.aircable.net

Aircables are the only Bluetooth-enabled "wireless cables" that provide an instant, point-to-point wireless connection between computers and mobile devices without installing or configuring connection software.

Wireless Technology

www.gotowti.com

WTI offers the Mach II Series point-to-point and point-to-multipoint access points.

ZyXel Communications

www.us.zyxel.com

ZyXel's Prestige 650HW is an all-in-one ADSL router/modem and 4-port switch with 802.11b wireless LAN functionality. The ZyAir family is composed of secure 802.11b wireless LAN routers.

WIRELESS RELAYS, ANTENNAS, IN-BUILDING, AND DISTANCE SYSTEMS

Alvarion

www.alvarion.com

Alvarion provides wireless broadband solutions to telecom carriers, other service providers, and private network operators with over 1.5 million units deployed in 120 countries worldwide. The BreezeNet DS.5800 series of products — designed specifically for challenging environments and adverse weather conditions — provides efficient, cost-effective point-to-point and point-to-multipoint wireless bridging and backhauling.

Aperto Networks

www.apertonet.com

Aperto Networks provides scalable broadband wireless access systems. The PacketWave is a point-to-multipoint family of base stations, subscriber units, associated radios, and antennas (2.5GHz, 3.5GHz, and 5GHz).

Axxcelera Broadband

www.axxcelera.com

Axxcelera Broadband manufactures of point-to-multipoint fixed wireless UNII band hardware.

Bluesocket

www.bluesocket.com

Bluesocket manufactures a family of wireless gateways that secure and manage wireless LANs in enterprises and public hot spots. Its WG-2000 offers IPsec and delivers encrypted-data performance up to 150Mbps.

Centurion Wireless Technologies

www.centurion.com

For 25 years, Centurion has been the leading designer and manufacturer of antennas and power products for mobile phones, portable radios, handheld devices, telematics, custom design and in-building wireless communications.

Ceragon Networks

www.ceragon.com

Ceragon's high-capacity broadband wireless networking systems operate across multiple

frequencies from 7GHz to 38GHz and support integrated high-capacity services over IP, SONET/SDH, and ATM networks.

DragonWave

www.dragonwaveinc.com

DragonWave's AirPair products extend high-performance broadband wireless capabilities for customers requiring reliable, interference-free, high-bandwidth transmission of real-time, IP applications. AirPair provides 50Mbps to 100 Mbps (full-duplex) connectivity for Ethernet/IP base services to rapidly introduce broadband access where fiber connectivity is either unavailable or impractical via a point-to-point broadband radio in both licensed and unlicensed bands.

EnGenius Technologies

www.engeniustech.com

EnGenius provides wireless high-power outdoor bridges, hot spots, client bridges, and antennas for building-to-building users and wireless Internet service providers.

fSona Communications

www.fsona.com

fSona's next-generation free-space optical (FSO) products offer fiber-like data rates and availability with the true simplicity and ease of use of a wireless solution.

Gentek Marketing

www.gnet.ca

The Gnet 11Mbps wireless integrated access point/bridge/15dBi antenna helps create a building-to-building wireless network. Gnet also offers a wide range of antennas, surge suppressors, cables, and other mounting hardware.

Harris Microwave Communications Division

www.ourstuffworks.com

Harris MCD is the largest supplier of microwave systems in North America and a leading supplier worldwide. Harris's product line includes both microwave and millimeter wave systems for both point-to-point and point-to-multipoint architectures.

Hyperlink Technologies

www.hyperlinktech.com

HyperLink Technologies manufactures wireless broadband equipment and extended-range wireless LAN systems. Product lines include amplified antenna systems, wireless routers, lightning protectors, power-over-Ethernet, connectors, and custom cable assemblies.

IP3 Networks

www.ip3networks.com

IP3's NetAccess for Wireless Hot Spots is an Internet gateway that allows coffee shops, airports, and hotels to provide high-speed, wireless connectivity to mobile users. Features include service policy management and bandwidth control. IP3's NetAccess for Hospitality gives hotel guests hassle-free broadband connectivity, enables service providers to deploy high-speed Internet access.

IPWireless

www.ipwireless.com

IPWireless offers Advanced 3G Broadband, the first total network solution based on UMTS TD-CDMA (TDD) standards. It includes complete network infrastructure equipment and pocket-sized wireless modems, and operates on 1.9GHz, 2.5GHz, 3.4GHz, and other frequencies.

Kaval Wireless Technologies

www.kaval.com

Kaval is a global provider of wireless coverage extension solutions for inside spaces. Kaval's products are designed to extend wireless into commercial, public, and industrial buildings and other areas commonly impenetrable by wireless signals.

MaxRad

www.maxrad.com

MaxRad designs and manufactures wireless communications antennas for broadband wireless access and in-building wireless voice and data networks operating in 800/900MHz, PCS, 802.11b 2.4GHz, and 802.11a 5.8GHz frequencies.

Netopia

www.netopia.com

Netopia has released its hot-spot-in-a-box

product, which combined 802.11 access points with credit card processing and back-haul connections to let businesses set up public hot spots more easily.

Nomadix

www.nomadix.com

Nomadix has released its hot-spot-in-a-box product, which combined 802.11 access points with credit card processing and back-haul connections.

Plaintree Systems

www.plaintree.com

Plaintree offers free-space optical (FSO) wireless LANs from E1/T1 to 100Mbps. Plaintree's WaveBridge links are transportable and act as a replacement for cable or fiber, while providing Class 1 eye-safe LED technology.

RAD Data Communications

www.rad.com

RAD Data Communications offers the AirMux-104T TDM and Ethernet multiplexer. The AirMux-104 point-to-point multiplexer aggregates E1 and Ethernet traffic over a 2.6Mbps full-duplex link, extending data/voice transmission up to 10 miles. It can transmit Ethernet or E1 traffic, or a combination of fractional E1 and Ethernet traffic, using W-CDMA spectrum.

RadioLAN

www.radiolan.com

RadioLAN's BridgeLink wireless bridges interconnect distant networks. Operating in the license-free frequency bands at 5GHz, the products deliver long-range, superior interference-immunity, and 32Mbps performance, comparable to the wired network.

Strix Systems

www.strixsystems.com

Strix Systems offers Access/One Network, a wireless LAN system that uses a wireless back-haul so wired Ethernet is not required at every access point.

SuiteSpeed

www.suitespeed.com

SuiteSpeed provides wireless high-speed Internet access solutions for the hotel industry, including in-building infrastructure.

Tecom Industrieswww.trak.com

Tecom Industries supplies antennas, positioners, and control systems for the wireless, defense, and satellite communications markets.

Teletronics Internationalwww.teletronics.com

Teletronics provides bidirectional amplifiers and frequency converters for broadband wireless, as well as customer-presence equipment (CPE units) for wireless Internet service providers.

Trango Broadband Wirelesswww.trangobroadband.com

Trango Broadband Wireless offers multipoint, fixed wireless products operating in the 5.8GHz spectrum, delivering 10Mbps throughput at distances of 10 miles.

Venturi Wirelesswww.venturiwireless.com

Although it focuses on carrier offerings, Venturi also offers the Venturi100e wireless accelerators for enterprises. By using a burst mode, the company says it can deliver cellular data speeds of 100Kbps, about five times that of standard connections, for Microsoft Exchange email servers using virtual private networks from Nortel, Cisco, and Checkpoint.

Vivatowww.vivato.net

Vivato has invented the world's first indoor and outdoor Wi-Fi switches that combine unsurpassed range and capacity at the low-cost deployment. Vivato Wi-Fi switches are part of a system of products designed for enterprises and service providers.

Wave Wireless Networkingwww.wavewireless.com

Wave Wireless Networking produces fixed-wireless broadband solutions. The company's products feature mesh and star topology, DHCP, NAT, speeds of up to OC-3, and distances of up to 25 miles.

YDI Wirelesswww.ydi.com

YDI provides high-speed, license-free, extended-range wireless data communication systems.

EMBEDDED HARDWARE**Amphion Semiconductor**www.amphion.com

Amphion designs semiconductor IP cores for wireless system-on-a-chip applications, from 802.11a and 802.16 to UWB and 4G.

Atheros Communicationswww.atheros.com

Atheros develops networking technologies for secure, high-performance wireless LANs. Using OFDM technology, Atheros delivers transparent connections among electronic devices in the office, home, and on the road

Broadcomwww.broadcom.com

The AirForce wireless LAN family includes 802.11b, a, g, and 802.11a/g chipsets with OneDriver software for high performance, low cost, and low power consumption.

Centurion Wireless Technologieswww.centurion.com

For 25 years, Centurion has been the leading designer and manufacturer of antennas and power products for mobile phones, portable radios, handheld devices, telematics, custom design and in-building wireless communications.

Cracom Engineering Technologieswww.cracom.com

Cracom designs products using 802.11a/b and Bluetooth for wireless Internet service provider applications. It provides research and development of RF/microwave hybrid components, active antennas, wireless facility IT protection systems, wireless LAN test equipment and instruments for RFIC/SOC ATE platforms.

Engimwww.engim.com

Engim has released its EN-3000 chips, which will let access points based on them simultaneously communicate on multiple channels each of 802.11 a, and b/g. The company hopes it will make voice-over-wireless-IP (VoWIP) connections more stable, reducing dropouts during conversations.

Fox Electronicswww.foxonline.com

Fox supplies standard and custom frequency control products, including the industry's broadest line of crystals, oscillators, VCXOs, TCXOs, OCXOs, and crystal filters.

fSona Communicationswww.fsona.com

fSona Communications designs and manufactures the Sonabeam series of free space optical (FSO) wireless systems for delivering high-speed communications to carriers, service providers, and enterprises.

NTRU Cryptosystemswww.ntru.com

NTRU delivers strong, fast security that operates with minimal power consumption and fits into a tiny footprint, making it easy for customers to build devices that people trust for RFID, mobile communications, multimedia and embedded markets.

Thales Computerswww.thalescomputers.com

Thales provides professional electronics in three key markets: aerospace, defense, and information technology and services.

Vivatowww.vivato.net

Vivato is a manufacturer of next generation Wi-Fi infrastructure products designed to enable high bandwidth Wi-Fi wireless networks everywhere: in the enterprise, across campuses and throughout metropolitan areas.

Vytek Wireless Productswww.vytekproducts.com

Vytek designs and produces infrastructure, in-

cluding long-range broadband solutions and wireless messaging equipment for public safety, transportation, and other industries.

Wavecom

www.wavecom.com

Wavecom's Wismo modules are compact devices that include all of the hardware, software, and other technology needed to enable wireless communications over the GSM/GPRS, CDMA, and future 3G networks.

OTHER HARDWARE

Hantechnic

www.hantechnic.com

Hantechnic provides wireless components and connectors to cable assemblies. The company has more than 12 years of experience in the RF/microwave industry.

Schaffner EMC

www.schaffner.com

Schaffner EMC provides the world's largest range of EMI components, EMC instrumentation and test systems for radiated and conducted interference, and advanced power supply test systems.

SERVICES

WIRELESS CONSULTING

Communications Consulting Services

www.ccsi-solutions.com

CCS consults, designs, and deploys wireless systems for small to large enterprises.

Core Competence

www.corecom.com

Core Competence is a network security consulting firm focusing on wireless LANs and virtual private networking. Services include competitive analysis, solution design, white paper development, product evaluation, and training for companies and industry conferences.

Diversinet

www.diversinet.com

Diversinet's mobile and security experts provide consulting services and project management to help you securely "mobilize" your enterprise and consumer applications.

Gartner

www.gartner.com/members/nt

The Gartner Network and Telecom Managers Membership Program is an integrated solution that offers you the essential research, consulting, and decision-support tools to help you face the challenges of an ever-changing mobile communications environment.

GTCI

www.gtcpro.com

GTCI provides engineering, training, and consulting services for all things wireless, including wired LAN-wireless LAN bridging.

Industrial Data & Information

www.idii.com

IDII provides software selection tools and services aimed at the supply chain. Services include requests for proposals, research reports, and software directories (WMS, TMS, and SCE), as well as warehouse management system software.

The Kerton Group

www.kerton.com

The Kerton Group provides strategy, development, marketing, and analysis for wireless products. It covers technology, market, and business issues across consumer wireless, wireless data, mobile devices, cellular, wireless LAN, WAN, Bluetooth, and fixed wireless.

Layton Technical Services

layton@sgi.net

Layton supplies two way and cellular tower detuning services for structures near AM broadcast stations. Services include pre-construction studies and on-site field intensity measurements, as well as on-site post-construction detuning adjustments.

Nuclear Digital

www.nucleardigital.com

The consulting firm's services include computer networking, Web development, security, and integration of wireless technology.

Predictive Systems

www.predictive.com

Predictive's wireless LAN services provide consulting for all phases of a wireless LAN project. The company covers all the bases, from network design, implementation, and management to security, operational procedures, and project management — all with a wireless LAN focus.

Spectra Technology Solutions

www.thinksts.com

STS provide wireless LAN network solutions to small businesses.

Sunbay Software USA

www.sunbay.com

Sunbay provides consulting services and preparation of requests for proposals for wireless technologies. It also provides compression and encryption technology for wireless transmissions via various protocols (GSM, GPRS, and UMTS) plus application development for wireless and hand-held devices.

Sygate Technologieswww.sygate.com

Sygate Global Professional Services offers educational services that are designed for end users who are responsible for supporting the deployment, day to day operations, and maintenance of the Sygate Secure Enterprise (SSE) suite.

Syntegra USAwww.syntegra.com/us/

Syntegra provides consulting, security, mobile business applications, infrastructure, devices, and support.

Techniawww.techniallc.com

Technia guides customers through the process of planning wireless LANs, from site survey through installation and staff training.

Technocrats Consultingwww.technocrats.bravepages.com

Technocrats provides wireless consulting, training, and system integration.

Tuanis Technologywww.tuanistechnology.com

Tuanis Technology is a business advisory and integration services organization specializing in unlicensed wireless networks such as those based on 802.11. Tuanis offers a suite of business, market analysis, technical, engineering, installation, and support services.

Velo-Blue Consultingwww.velo-blue.com

Velo-Blue provides end-to-end corporate marketing and consulting services to the wireless telecom and datacom markets. Core competencies include: PR/AR relations, competitive intelligence, market positioning and demand/technology assessments

Vigilarwww.vigilar.com

Vigilar is a comprehensive information security and risk management solution provider. It offers services in wireless security, perimeter security, content security, identity management, IDS, and certification training and education.

Wireless InfoNetwww.ask-wi.com

Wireless InfoNet provides wireless Internet service providers with design, consulting, training, and troubleshooting. It also provides vendor-neutral wireless ISP training and the book Deploying License-Free Wireless WANs.

Wireless Resourcewww.alphapagingsoftware.com

Wireless Resource provides cellular, mobile, and paging industry resources and information. Wireless resources include information on cell phones, pagers, mobile devices, and cellular events.

Wi-Tek Engineeringwww.wi-tek.com

Wi-Tek provides Wi-Fi and network consulting services, including site surveys, network engineering design, and project management.

The Yankee Groupwww.yankeegroup.com

The Yankee Group offers technology research and consulting, focusing on the areas of wireless strategic planning assistance, technology forecasting, and industry analysis.

WIRELESS SYSTEMS INTEGRATION**AccessPlus Communications**www.accesspluscom.com

AccessPlus provides wireless system engineering and installation throughout New England and has experience with 2.4GHz through 60GHz and free-space optical (FSO) links. It also operates as a local exchange carrier.

AccuCodewww.accucode.com

Accucode is a systems integrator and value-added reseller of data collection, management, and networking technologies.

Anyware Network Solutionswww.anywarewireless.com

Anyware offers complete turn-key wireless

LAN and wireless WAN services, including technology consulting, engineering, product sourcing, installation, project management, training, and network maintenance.

A-proposwww.a-propo.com

A-propos is a software development and consulting company specializing in application development, management, and integration of distributed, mobile, wireless and telephony software applications.

ArcStream Solutionswww.arcstream.com

ArcStream is a wireless consulting and systems integration firm focused on developing innovative solutions that improve the effectiveness of mobile professionals. ArcStream provides strategy consulting, systems development, integration, and support.

BostonNetSourcewww.bostonnetsource.com

BostonNetSource provides secure wired and wireless communications for enterprise clients and service providers throughout New England.

Calhoun Communicationswww.calhouncommunications.com

Calhoun provides path/spectrum analysis and installs and designs the most appropriate data communication solutions.

The Cherry Hill Companywww.chillco.com

Cherry Hill creates public and private wireless infrastructures for public libraries and other municipal buildings and facilities.

CompuCom Systemswww.compucom.com

CompuCom's ConvergeMobile practice provides consulting, tools, and services that simplifies engineering, integrating, deploying and supporting mobile-based solutions.

Compuquip Technologieswww.compuquip.com

Compuquip Technologies is an IT consultancy

and systems integrator serving the needs of businesses, state and local government agencies, school systems, and nonprofits.

CreativeMedia Software Solutions

www.creativemediasoftware.com

CreativeMedia provides software development services including architecture, design, development, and testing. It specializes in device driver and software development for 802.11 hardware.

Diversinet

www.diversinet.com

With more than five years of experience in developing secure solutions that interoperate with popular mobile devices and wireless networks, Diversinet is a trusted partner that will enable applications to work efficiently on mobile devices and networks.

Donovan Consulting Group

www.dcgi.com

DCG provides wireless LAN integration services such as site surveys, installation, project management, and training. DCG also provides ancillary wireless LAN components such as secure enclosures, antennas, cables, and mounting solutions.

DTNet

www.dtnet.com

The firm provides wireless networking and security services, from survey to installation.

Extreme Logic

www.extremelogic.com

Extreme Logic builds and delivers business solutions focusing on advanced technical strategies, business process design, application development, and technical architecture.

FastLinks

www.wirelesswans.com

FastLinks specializes in the field of wireless WAN design, implementation and support. We provide the best wireless free space optical (FSO) and RF systems and associated turn-key services to meet customers' needs for building-to-building connectivity.

MicroServe Consulting

www.msconsulting.com

MicroServe offers systems integration, consulting services, support, and IT outsourcing for small, medium, and large businesses, including for wireless networks.

Netcom International

www.netcomintl.com

Netcom provides wireless LAN site survey, design, installation, data cabling, electrical work, staging, configuration, and nationwide rollout.

NetGroup

www.netgroupinc.com

The Network Group provides information technology services — strategy and planning, implementation and support — as an outsource to business and government agencies. Its specialty is network admin and IT services for smaller agencies and businesses. Core competencies include Linux admin and network engineering, including conversion from Novell and Microsoft network and wireless networking, especially 802.11 and hybrid wireless data communications systems in rural/mountainous areas

Network Dynamics

www.ndiwebsite.com

NDI provides site surveys, path engineering, wireless network design, security, and maintenance coverage of the entire wireless infrastructure: radios, antennas, cabling, antenna and tower mounting hardware, grounding, and lightning protection

Nuclear Digital

www.nucleardigital.com

Nuclear Digital is a consulting firm specializing in the integration of computer and internet technology into the corporate, home and mobile environments. Its services include complete design and deployment of networks, Web sites, intranets, and wireless technologies

Orb Information Systems

www.orbinfosys.com

Orb Information Systems is a networking solutions provider that specializes in designing and securing in-building wireless networks and enabling high-speed access in public areas.

Optimus Solutions

www.optimussolutions.com

Optimus Solutions has an emphasis on enterprise systems integration and infrastructure design for mobile/wireless, e-business, and enterprise integration.

Signa Services

www.signaservices.com

Signa Services is a hardware-neutral professional services organization that provides total wireless LAN project management, from analysis and design to user support.

Symbol Technologies

www.symbol.com

Symbol develops and deploys mobile voice and data services, including application-specific mobile wireless systems for the transportation/logistics, retail, manufacturing, health care, government, and education markets.

Total1 Internet Solutions

www.total1.net

Total1 provides site design, evaluation, and installation of fixed and mobile wireless solutions, including T1, T3, and OC-3 bandwidth with security solutions and custom network design.

Uvea IS

www.uveais.ca

The Canadian full-service consultancy offers network consultation, design, and implementation/integration for wireless-only and hybrid wireless/wired networks at single or multiple locations.

Volt Telecommunications Group

www.volt-telecom.com

With ISO-certified quality processes and procedures, Volt offers nationwide wireless technology installation services, from initial site survey and design through installation and maintenance.

WebTech Wireless

www.webtechwireless.com

WebTech provides wireless fleet services via

GSM/GPRS in more than 20 countries. It provides a flexible platform to seamlessly gather and integrate fleet data to back office software or a Web-based portal.

WiFinder

www.wifinder.com

WiFinder offers packaged solutions, advisory services, and marketing tools for adding, using, and securing wireless networks.

WISP Gear

www.wispgear.com

WISP Gear supplies wireless and fixed wireless engineering, consulting, and deployment expertise.

Zaina Solutions

www.zainasolutions.com

Zaina implements secured wireless solutions to health-care providers.

EDUCATIONAL PRODUCTS AND SERVICES

Addison-Wesley

www.awprofessional.com

Addison-Wesley has published *Wireless Security and Privacy: Best Practices and Design Techniques*, which shows readers how to build security into a wireless system at a foundation level.

Cisco Press

www.cisco.com

The networking firm's publishing division offers several books on wireless technology and deployment issues.

CTIA

www.wirelessit.com

The CTIA Wireless IT conference highlights wireless technology integration in the enterprise plus the market for consumer applications as wireless expands across business sectors and personal entertainment.

Learning Edge

www.learnedge.biz

Wireless LAN training is Learning Edge's main

business, and its classes cover wireless LANs, radio, and security.

O'Reilly & Associates

www.oreillynet.com/wireless/

O'Reilly provides books and articles on a wide range of wireless and emerging technology topics.