

Wireless Systems

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RFID

WLAN

AIDC

mobility

auto ID

data collection labeling

software development

wireless



INFORMATION NEEDS REACH FARTHER THAN CABLES

Businesses succeed today because they are fast, not vast. Instead of holding large stockpiles of materials and finished goods inventory to meet customer commitments, companies rely on fast information exchange to drive responsive enterprise and supply chain systems that adjust to dynamic production, distribution and service needs.

If information is old, it's wrong. And when information is wrong, systems stop, shipments are delayed, and service and productivity suffer. Wireless technology has become essential for getting accurate, real-time information when and where it's needed.

Now companies are finding new ways to use wireless to create a competitive advantage. They're leveraging legacy wireless LANs to provide automated asset tracking and to connect their workforces with wireless voice-over-IP (VoIP). Real-time responsiveness is being extended beyond the four walls with GPS and wide-area voice & data networks for dynamic dispatch and remote access to enterprise information.

Wireless can reach almost anywhere your business goes. But there are still disconnects between what businesses need from wireless systems and what they get. For example:

- A wireless LAN may cover your warehouse or factory, but will your wireless devices survive there?
- How will enterprise applications handle real-time data? And how will wireless devices handle enterprise software applications and screens?
- How can you lock down your network without locking into security technology that may become dated or unsupported?
- What will managing and securing a wireless network do to your IT support requirements?

Before starting a wireless project, make sure your solutions provider is grounded in all the aspects required to make a system successful. Many providers can hang access points and install radio cards, but can't make the connection between wireless technology and business value.

Barcoding Inc. doesn't just provide wireless technology, we solve business problems. At Barcoding Inc., we understand the value you get from your wireless systems depends on the reliability, responsiveness, and security they provide. We'll show you how your options for integrating wireless systems with business systems impact your ROI and total cost of ownership. We'll help you see the benefits of supporting specific operations with wireless technology, hidden costs associated with incomplete integration or standalone systems, and how wireless and enterprise systems can work together to give your business the information it needs to get ahead.



“The Barcoding technicians continually challenged themselves to make improvements to the system to benefit GNC and help increase sales volume. They were very professional and worked seamlessly with the GNC staff.”

- Terry Huff
Director of Wholesale
General Nutrition Centers
(GNC)



WIRELESS SOLUTIONS FOR MANUFACTURING

Manufacturing efficiency depends on accurate, real-time information – scheduling systems need to know exactly how much raw materials are on hand and the status of work-in-process; process manufacturers need to identify the materials and quantities used in each batch; discrete and build-to-order manufacturers need component-level traceability to meet their build and sequencing commitments. All manufacturers benefit from accurately tracking and managing their finished goods inventory. Manufacturing and enterprise software systems control these operations, but they need integrated wireless systems to provide visibility and information.

COMPUTERS & COMMUNICATIONS

We have the computer that is tough enough for your shop floor and flexible enough to integrate seamlessly with your IT environment. We can provide terminal emulation for IBM iSeries and other popular environments, DOS devices for use with legacy systems, and the latest Microsoft mobile operating systems in a complete range of highly rugged handheld and vehicle-mounted computers. To make the real-time data collection link, our systems offer 802.11 b/g wireless connectivity and support multiple security protocols. Complete the system with our remote management solutions for superior reliability, uptime, and total cost of ownership (TCO).

SYSTEM MANAGEMENT

Take control of your wireless devices and support operations with mobile & wireless management solutions. Barcoding Inc. has a range of solutions specifically developed to remotely monitor, configure and troubleshoot wireless mobile computers and complementary data collection devices. Maximize your uptime and reliability while minimizing your total cost of ownership with a management system that meets the specialized needs of wireless system administrators.



CASE STUDY:

POWERS FASTENERS, MANUFACTURER OF CONCRETE, MASONRY AND STEEL.

The Challenge: Powers Fasteners wanted to eliminate the lag between actual inventory and what was recorded in its IBM AS/400-based system, which was running one to two days behind. To improve inventory accuracy, Powers chose to automate receiving, inventory management, and shipping with real-time data collection.

The Solution: Engineers from Barcoding Inc. performed a site survey then designed and installed a secure Cisco wireless LAN to cover Powers Fasteners' 140,000-square-foot facility. Barcoding Inc. also created a virtual private network connection to link a second facility to Powers Fasteners' IBM AS/400 host, and configured the new wireless handheld computers with terminal emulation to provide easy connectivity and data exchange with the AS/400.

Automation begins at receiving, where inbound materials are barcoded using a forklift-mounted printer then scanned into inventory. All receiving, putaway, inventory management, and cycle counting transactions are completed on ruggedized mobile computers provided by Barcoding Inc., which update the host system in real-time over the wireless network.

The Results: Two-day-old inventory information is a thing of the past because all transactions are updated in real-time. The new systems has:

- Improved inventory accuracy more than 80%;
- Reduced errors by more than 50%;
- Improved network security.

"This system has increased our inventory accuracy level and helped our warehouse become live," said Stephen Powers, vice president of management information systems at Powers Fasteners. "Now, spending time looking for products is a thing of the past as row and bin numbers are associated with each pallet as they are put away."

The Barcoding Inc. Difference: The experience of Barcoding Inc.'s certified wireless engineers and integration specialists enabled them to quickly design a system that performs reliably 24 hours a day and provides convenient access to host applications through terminal emulation. The wireless system was part of a complete solution that provided Powers Fasteners with the wireless mobile computers and printers that met its connectivity, ruggedness, and performance requirements.

Barcoding Inc. is your connection to the benefits of wireless connectivity. We couple the complete software and services for successful systems with 802.11-standard wireless networking, security, computing and management technology from leading companies including Cisco Systems, Intermec, Motorola and many more, plus major cellular and wide-area wireless network providers.

With Barcoding Inc., you're connected to one of the most experienced and complete wireless solution providers. We have been developing and integrating wireless systems for over 15 years, have hundreds of successful installations, and provide the complete range of consulting, implementation, integration, software development, and support services you need to be successful.

It's not just about going wireless... ...it's about improving your business

SITE SURVEYS

Barcoding Inc. has a staff of certified wireless engineers who will bring specialized test equipment to your facilities to conduct complete site surveys. The site survey includes development of a custom, detailed implementation plan with recommendations for system design, access point placement, equipment, and configurations.



ON-SITE NETWORK ANALYSIS

Take advantage of Barcoding Inc.'s certified network engineers to analyze and troubleshoot your legacy wireless LANs and make recommendations for more reliable and responsive performance.

INSTALLATION SERVICES

Take the path to lower TCO and faster ROI by saving yourself time and effort with our professional installation services. We put our wireless plans into action with complete installation services, including mounting access points plus connecting them to power supplies and host systems, provisioning and configuring wireless computers, printers, and access points, verifying and testing all installed equipment, along with providing complete documentation.



Any business that relies on time-sensitive information can benefit from wireless technology. Below are just some of the industries that we have implemented systems for. Visit www.barcoding.com to learn more about specific solutions.

- Aerospace and Defense
- Airline
- Automotive
- Banking
- Capital Markets
- Chemicals
- Communications
- Consumer Goods and Services
- Department of Defense
- Education
- Electronics and High Tech
- Energy
- Financial Services
- Food and Beverage
- Footwear and Apparel
- Forest Products
- Freight and Logistics
- Gaming
- Government
- Health and Life Sciences
- Healthcare
- Hospitality
- Industrial Equipment
- Insurance
- Manufacturing
- Media and Entertainment
- Medical Products
- Metals and Mining
- Military
- Pharmaceuticals
- Rail
- Retail
- Transportation and Logistics
- Travel Services
- Utilities
- Warehouse and Distribution

SOFTWARE SERVICES

Whether you want to port legacy applications to wireless devices, install a packaged application, or develop a custom system, Barcoding Inc. has the proven expertise and products to support you. For linking with legacy systems, we have a variety of terminal emulation products plus specific solutions for integrating to SAP and other leading ERP and WMS environments. Our Software Services Group (SSG) has successfully completed projects for hundreds of customers and can draw on its experience to quickly create the application to meet your user, host environment, and budget needs. Plus we carry and support a wide range of wireless applications and management software systems.

BUSINESSES MOVE FORWARD WITH BARCODING INC.

Barcoding Inc. creates complete solutions by integrating products from the top providers of wireless networking equipment, wide-area data services, security products, ruggedized handheld and vehicle-mounted computers, and peripherals like wireless barcode printers and scanners. As an independent integrator, we have the flexibility to recommend the mix of wireless computers and peripherals best suited for the job, and have the integration expertise to bring them all together.

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