

Lucent Technologies
Bell Labs Innovations



SYSTIMAX[®] SCS WaveLAN[®] Wireless Solution

Mobility And Flexibility For Your Networks



Move Your Network Far Beyond The Reach Of Your Cabling

Be honest: Does your LAN go everywhere you want it to go?

Probably not. In fact, almost certainly not. The reason is simple: network cabling stays put, and people don't.

Today, companies – and the computers they rely on – are smaller, faster and more mobile. Shouldn't you expect the same of your network?

Now, you can. Now there's a way to soar beyond the traditional constraints of network cabling – to expand, contract or redeploy your network virtually anywhere, anytime, as quickly as today's accelerating pace of change demands.

Welcome To WaveLAN Wireless Network. You'll Wonder How You Ever Managed Without It.

The WaveLAN Network is a complete, integrated system of hardware and software that can extend wireless connectivity to an existing LAN, help you create an instant stand-alone network, even link the local area networks of several buildings.

Because it's wireless, a WaveLAN network can go where no other network can. Because it's designed as the perfect complement to the SYSTIMAX Structured Connectivity Solution, it can plug right into your existing network. And because it's designed and manufactured by Bell Laboratories, your investment is backed by the industry's most reassuring warranties of reliability and performance.

Do You Have A Wish List? Here's A Sample.

What can a wireless network do for you? You might be surprised.

Imagine the gains in productivity you'll achieve when everyone on the factory floor has instant access to your parts database, on the spot, without traveling to a distant terminal for information.

Imagine how much you'll save in labor costs with a network that requires virtually none of the planning, installation or reconfiguration traditional LANs



WaveLAN Product Family

require to keep pace with rapidly changing business conditions.

Imagine the improvements in both retail sales and customer service you'll achieve when point-of-sale terminals can be moved to areas of peak demand overnight, or even over a lunch break.

Imagine six notebook computers hastily opened on a conference table and sharing data minutes later. Imagine being able to do the same thing an hour after that – in a client's office, on a factory floor, at a trade show.

Imagine linking the networks of two buildings a mile apart virtually overnight, without the expense of a leased telephone line.

Imagine having an instant LAN set up and ready to cope – anywhere, anytime – when sudden business opportunities beckon, or when a midnight phone call brings unthinkable news.

Your LAN Is Vital To Your Business. How Many Of Your Computers Can't Make That Connection?

The pivotal role of LANs is more obvious every day. In just three years, the number of PCs sold that were linked to networks doubled and, by 1995, had reached a level of 50%.

Even that figure may seem laughably low. Odds are that far more than 50% of your company's computers are on a LAN.

Manufacturing

“After fire damaged our manufacturing facility, we needed a solution that would help us get back in production quickly. WaveLAN was the answer.”

Bjorn Macke, Manager,
Computer Systems,
Autoliv Sverige AB
Sweden

Two WavePOINT stations serve 7 wireless terminals throughout factory production floor

Well, the desktop computers, anyway. But what about all those new portables? Are they still mute and isolated, unable to tap the power of your network?

That situation won't last long. Recent surveys estimate that portables will comprise more than half the computer market by 1998.

Chaining down all these portables with patch cords makes little sense. With a WaveLAN network, you don't have to sacrifice mobility for connectivity. You can plug a small PCMCIA card into each portable – laptops, notebooks, pen-based computers – for an instant connection to the network.

Depending on the configuration you choose, a WaveLAN network can provide a seamless, continuous network link to each portable computer even while roaming anywhere in the building.

Education

“**W**e solicited test units from Lucent Technologies, Xircom and Proxim. We did a variety of tests... and from that, all things being equal, WaveLAN turned out to be the best product.”

Dr. Ben Bennington, Networking Institute
Carnegie Mellon University
United States

200 WavePOINT access points, campus-wide connectivity to fiber optic network

How To Add A LAN In Less Time Than It Takes To Read This Brochure

Take an empty room, add half a dozen work stations and link them all in a fast, secure local area network – within a few minutes.

Impossible? Not any longer. Installing a WaveLAN network actually can be just that simple. There's no wiring or conduit pathways to consider. All you need to create a fully functioning stand-alone network comes packed in a small box. Plug a card into each computer, install the software and your LAN is ready to go.

Could this unprecedented freedom help solve a few problems for you? Consider the possibilities.

Cabling can be difficult or impossible to install in some situations. Asbestos makes older buildings problematic, hospitals

can't accommodate new conduit pathways, warehouses can be simply too vast to rewire. But in each case a WaveLAN wireless network can be up and running virtually overnight.

Construction costs of recabling can overwhelm companies that change the workplace frequently. Retailers alter floor plans, manufacturers retool, banks redeploy branches. A WaveLAN wireless network effortlessly glides into place anywhere – and immediately becomes a versatile asset rather than a burdensome construction expense.

Skeptical? Don't Worry. Your WaveLAN Network Is As Solid As SYSTIMAX SCS.

If wireless networking seems too good to be true, put your trust in the company that invented the technology. In short, a WaveLAN network is all you'd expect from the world's leading telecommunications equipment company.

- **Compatibility is tested and proven** – A WaveLAN network works seamlessly with wired networks, and with virtually all of the most popular operating systems in use today.
- **Versatility is built in** – The WaveLAN system is designed to operate on frequencies of either 915 MHz or 2.4 GHz to assure compliance with local regulations throughout the world.

- **Security is just as tight as you want it to be** – Even though WaveLAN networks are wireless, your data is virtually immune to detection and interception. In fact, your data is protected with the same spread spectrum technology used in military operations to guard highly sensitive radio transmissions. If you prefer an even higher level of security, further data encryption capabilities are available for ultimate protection with no loss in performance.

How A WaveLAN Network Can Extend Your Network Beyond The Reach Of Your Cabling

WaveLAN is the fastest and most cost-efficient way to expand the power, versatility and reliability of virtually any local area network.

By adding a system of WavePOINT™-II access points to a SYSTIMAX Structured Connectivity Solution, you can effortlessly add wireless network coverage throughout even the largest facilities. Although these powerful devices each have a range of up to 50,000 square feet, they're small enough to be easily mounted on, or even inside, walls and ceilings. The result is an invisible umbrella of wireless connectivity that can encompass an entire floor, an entire building, or even a newly added facility where cabling won't be installed for weeks to come.

Need to have a few new computers on the LAN by tomorrow morning? Just plug a card into each one for an instant network link, without any special configuration. Portables can even roam throughout the building, maintaining a continuous connection to the network anywhere within range of a WavePOINT-II access point.

Want to double your protection against costly downtime? Add a WaveLAN card to the most critical computers on your network to keep them connected even during extensive cabling repairs or replacements.

If your needs are larger, a WaveLAN wireless network can help you link widely separated buildings – with greater reliability and lower cost than you may have thought possible. With a system of directional antennas (available from many third-party suppliers), you can link buildings up to several miles apart with a high-speed network that forever eliminates the expense of leased phone lines.

Retail

“It has allowed us to be more competitive in our already-competitive market. All of our future department stores will be wireless with WaveLAN.”

John Oliver, Computer Facilities Manager
Littlewoods Chain Stores, Ltd.
United Kingdom

1200 WaveLAN point-of-sale terminals,
180 WavePOINT stations in 80 retail stores

Banking

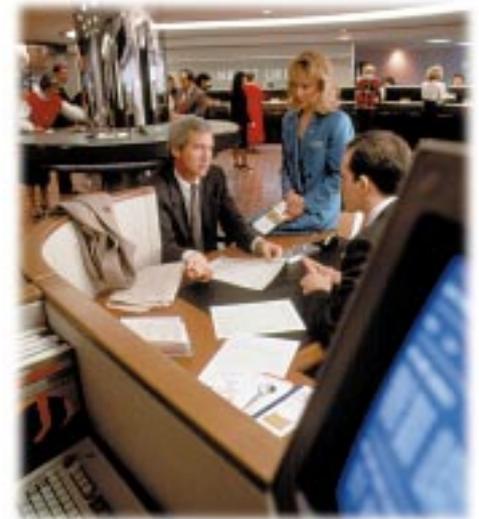
“WaveLAN naturally decreases the costs for your moves, adds and changes. It’s nothing when someone wants to relocate (a work station) within a facility. You just move them into another area, plug in and keep going.”

Paul Davis
Centura Bank
North Carolina

*1500 WaveLAN work stations
deployed in 150 bank branch offices*

Trouble-Free Management With WaveMANAGER Software Suite

Today’s businesses require constant communication and instant access to information — both in and away from the office. Wireless LANs provide you with the mobility and flexibility you need — but you also have to manage the network that provides your communication requirements. We have a solution that is easy to use and understand. Lucent Technologies WaveMANAGER™ Software Suite offers a complete set of management tools that enable you to manage, control, and monitor your enterprise-wide WaveLAN network from one location. Comprised of two distinct sets of software tools — WaveMANAGER/ACCESS POINT (AP) and WaveMANAGER/CLIENT — Lucent Technologies WaveMANAGER Software Suite helps you reduce the cost of managing your network.

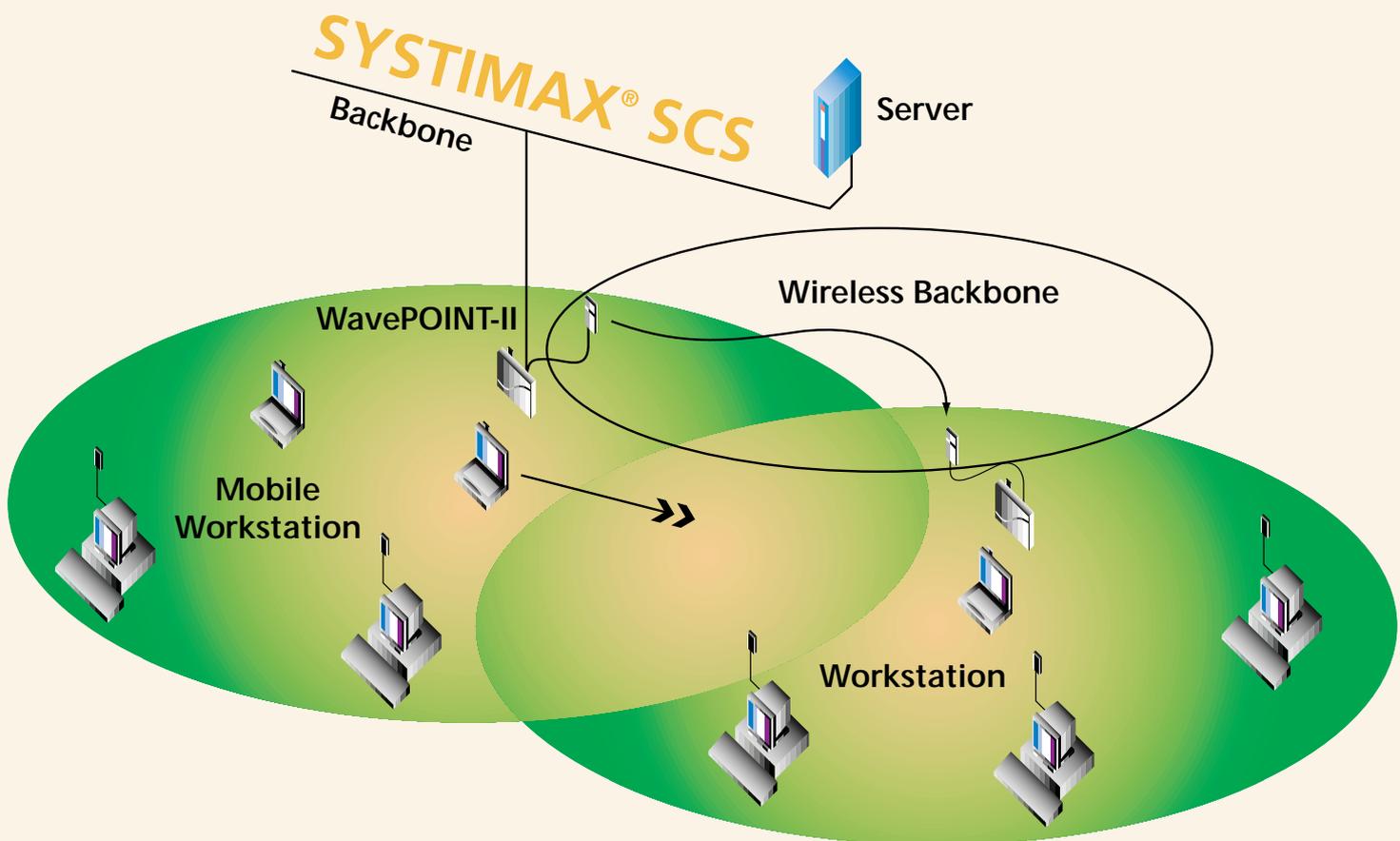


Lucent Technologies Means Bell Labs Innovation. Let Us Put It To Work For You

If you’ve never considered a wireless network, perhaps it’s because you’ve never seen one with the versatility, simplicity and problem-solving potential of a WaveLAN system.

That’s no accident. Of the 26,355 patents we’ve earned in a century of research, we’re proud to say that 20 of them are specifically related to our innovations in high-speed wireless LAN technology. Continuing research in this and related fields makes us uniquely qualified to help you solve the problems you face today, and the challenges you’ll face tomorrow.

For more information, please contact your Lucent Technologies Representative. We’ll be glad to explain how we’ve surpassed the expectations of companies large and small, at home and abroad. And how quickly, easily and inexpensively we can do the same for you.



For additional information on the complete line of WaveLAN products, please contact your Lucent Technologies Sales Representative, or any Authorized WaveLAN Distributor or Authorized WaveLAN Reseller of SYSTIMAX Structured Connectivity Solutions.

United States: 1-800-344-0223
1-800-WAVELAN

Americas: 305-569-3600

Asia/Pacific: 852-2506-5368

Canada: 416-756-5242

Europe: 31-35-687-2717

Visit our website at <http://www.lucent.com/netsys/systemax>
<http://www.wavelan.com>

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