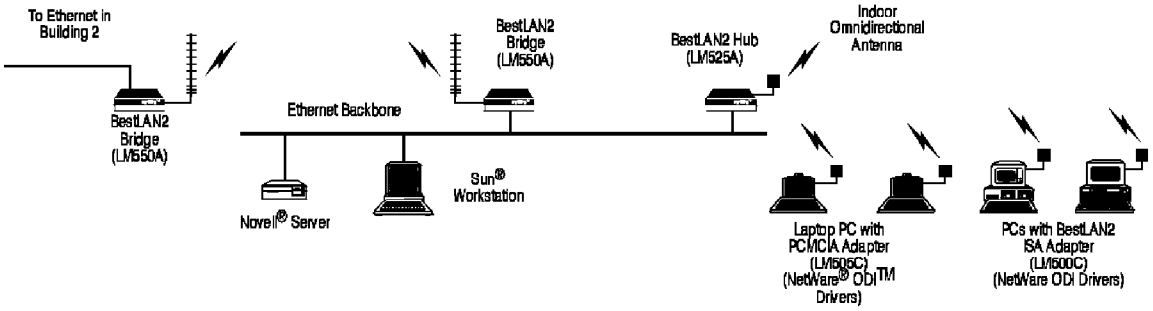
BLACK BOX®

The Source for Connectivity®

BestLAN2 Bridge

The easiest way to link two buildings—without cable!



Key Features

- *Faster and less expensive than a T1 line*
- *Up to 21 times faster than leased lines*
- *Compatible with Ethernet standards and all major operating systems*
- *Antennas available for connections up to three miles*
- *IEEE 802.1D-compliant MAC-layer bridge*

Overview

Forget about using low-speed 56 Kbps or T1 leased lines. BestLAN2 Bridge connects LANs in separate buildings up to 3 miles apart, eliminating expensive leased lines or underground cabling projects.

BestLAN2 Bridge costs less than a T1 Bridge, and performs up to 40 times faster than leased lines. Instead of paying high monthly telephone bills, add the savings to your bottom line. And when you're ready to make a move, BestLAN2 enables you to quickly relocate your LAN without costly rewiring.

BestLAN2's proven spread-spectrum radio link provides data security and immunity from adverse weather conditions. And it's plug-and-play. Thin Ethernet, AUI, and 10BaseT connectors provide instant access to your existing LAN. Simply load the bridge software, mount the antennas, and you're linked in minutes.

Menu-driven diagnostic software is included for the installation and alignment of the antennas. Each BestLAN2 Bridge includes a short-range, omni-directional antenna for reliable connections up to 500 feet (152 meters). For longer distances outdoors, four-element or ten-element directional antennas may be purchased separately. An optional long-range, omni-directional antenna, used when linking multiple buildings to one central location, is also available.

BestLAN2 is compatible with Ethernet standards and all major network operating systems.

Typical Applications

Ideal for campus-type environments where it is too costly or impossible to run cable to connect buildings.

Technically Speaking

The BestLAN2 Bridge is a wireless device designed to connect two hard-wired networks together by using an RF signal in the 902 to 928 Mhz frequency range. It is a necessary piece of equipment that is used when two buildings are physically separated and it is not possible to have cable joining them together.

The minimum BestLAN2 Bridge configuration requires one bridge unit to be installed at each building location to be linked. Multiple bridge units can be installed to link more than two buildings. The antenna is mounted on the roof of the building, or in an area with an unobstructed view of the reciprocal antenna.

When choosing the permanent location of the Bridge and antenna, remember that as the cable distance between the antenna and the bridge increases the RF link distance decreases. Extending the network cable to allow the bridge to be closer to the antenna's mounting position should be considered.

It is recommended that you use an optional VGA monitor and keyboard when installing the units and positioning the antennas.

The Complete Package

What you get when you order BestLAN2 Bridge.

- BestLAN2 Bridge
- Omni-directional antenna
- User's Manual

Additional equipment you may need

- BestLAN 2 Adapter-PCMCIA (LM505C)
- BestLAN2 Adapter-ISA (LM500C)
- BestLAN2 Adapter-Parallel (LM515A)
- Short-Range Antenna (LM521)
- Long-Range Antenna (LM520)
- Omni-directional Antenna (LM522)

Specifications

Standards—Ethernet, IEEE 802.3

Speed—2 Mbps spread-spectrum

Frequency Range—902 to 928 MHz

Access Method—Ethernet CSMA/CA

Operating System Compatibility—Compatible with all Ethernet NOS

Protocol—Protocol-independent; MAC-layer operation

Connectors—Ethernet: (1) AUI DB15 female (1) BNC , (1) RJ-45; BestLAN2: (1) F-connector female

Size—3.4"H x 13"W x 15.7"D (8.6 x 3.3 x 40 cm)

Weight—14 lb. (6.4 kg)

For these and other components...

Call our expert Technical Support Staff for all your needs. They'll help you find the best equipment for your application.

Ordering Information

This information will help you place your order quickly.

PRODUCT NAME	ORDER CODE
BestLAN2 Bridge	LM550A