

# LAN-LINK 1000®



## DESCRIPTION

The LAN-LINK 1000 offers the most efficient and cost-effective means of connecting two or more Ethernet LANs (Baseband or Broadband) to form an extended Local Area Network.

The LAN-LINK 1000 maximizes the performance and efficiency of your extended LAN while automatically adapting to configuration changes in your network. No software is required.

The bridge joins Ethernet segments providing a throughput of 10 Megabits per second to meet the highest throughput of your Local Area Network.

Employing a mechanism known as MAC (Media Access Control) Level Bridging, the bridge operates at the Data Link level and is protocol independent. Protocols such as XNS, DECNET, TCP/IP, and others occupy only the data field of an Ethernet packet and pass intact allowing simultaneous transmission of multiple protocols.

Packet filtering in the LAN-LINK 1000 further ensures peak network performance by minimizing inter-LAN traffic. The bridge keeps local traffic on its intended Ethernet segment and forwards only data packets which are intended for different LAN segments.

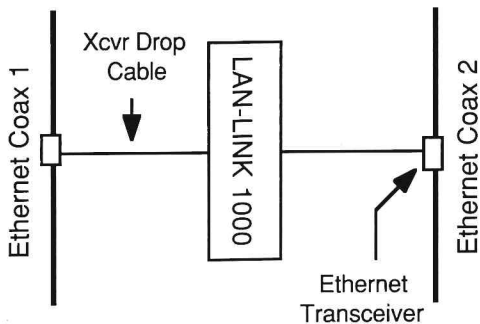
The LAN-LINK 1000 is optimally designed to meet the expanding needs of the Ethernet user providing the throughput, network management and flexibility required in multi-vendor, multi-segment LAN environments.

## FEATURES

- Connects two or more Ethernet segments
- Operates at the Data Link Layer and is protocol independent
- High performance throughput of 10Mbps
- Full compatibility with Ethernet IEEE 802.3 (Baseband or Broadband)
- Manages network traffic for optimum efficiency
- Automatically monitors and accommodates network configuration changes
- Bridges are fully-integrated with no software required
- Simultaneous transmission of multiple protocols
- Can be used in redundant configuration for automatic back-up
- Fiber optic interface available
- Microwave interface available for full 10Mbps LAN extension between facilities miles apart
- 19" rack mounting available

## SPECIFICATIONS

Architecture:	MAC Level Bridge (Learning or Fixed Filtering) 82586 Based LAN Engines 68000 Based MAC Level Supervisor 128k Bytes Shared Memory Hardware Filter Assist 16k Bytes EEROM Based Parameter Storage
Interfaces:	Two IEEE 802.3 or Ethernet 2.0 AUI Connections RS-232 Network Management Connection Redundancy Switchover Connection
Performance:	10,000 pkts/sec. (see product manual for performance statistics)
Net Management:	Front Panel Indicators: Power, Data, Status, Standby (reflects redundancy status) Status & Configuration: Via RS-232 or remote through the network (check version number for this feature) Redundancy Switchover: Via hardwire connection between units or through the network (check version number for this feature) Effected due to network, internal or thermal faults
Power:	115v @ 3 amps max. 220 v @ 1.5 amps max.
Temperature:	0°C to 40°C (internal thermal monitor alarm)
Humidity:	0% to 80% non-condensing
Altitude:	10,000 feet
Cooling:	Forced air, front to back



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The LAN-LINK 1000 extends baseband, broadband, twisted-pair, thin-net (R G-59) and fiber networks.

For more information about this and other Microwave Bypass Systems products contact:



One Kendall Square, Suite 333  
Cambridge, MA 02139  
(617) 494-8700