

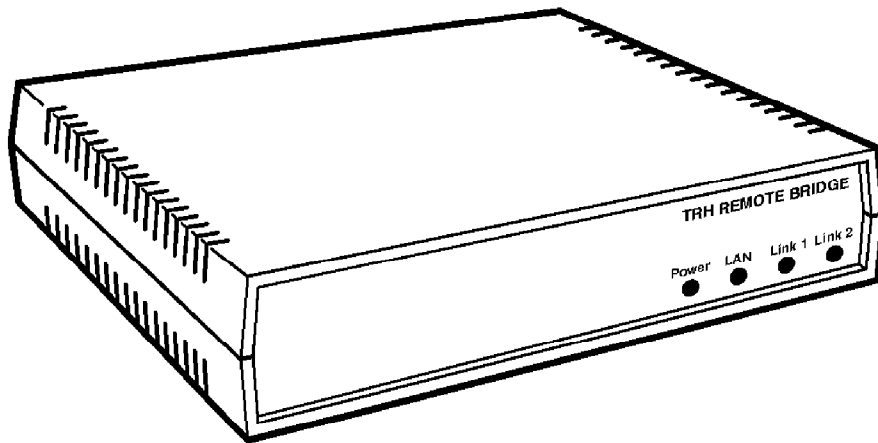


BLACK BOX®

The Source for Connectivity®

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TRH Remote Bridges



You get it all with these Bridges—speed, source-routing, and fast installation.

The TRH Remote Bridge includes a row of easy-to-see LEDs.

Key Features

- ▶ Two WAN interfaces permit dual linkages for two remote Token Ring networks over high-speed leased lines.
- ▶ Supports source-routing (transparent to upper-layer protocols).
- ▶ Includes menu-driven management.
- ▶ Filtering options for controlled-access security.
- ▶ Plug and play—no preconfiguration.

Overview

With link speeds up to 2 Mbps per WAN port, this economical source-routing Bridge lets you internetwork your Token Rings over digital services, such as T1 and fractional T1. And the total speed of the combined WAN ports in use is 4 Mbps—even if you're only using a single WAN port.

The Bridge's source-routing protocol localizes LAN traffic and protects against looping in a multi-Bridge installation. Because the Bridge is transparent to upper-layer protocols, it connects IBM® SNA (LU6.2) and APPC, NOVELL®, IPX/SPX (source-routing), TCP/IP networks, and more.

The Bridge helps you better manage your network, too. It includes menu-driven management you access

through an RS-232 console. This feature helps you detect LAN and Link problems, determine utilization patterns, and plan for future expansion that will optimize your existing data-communication resources.

The Bridge also helps you increase LAN security. With it you can departmentalize LAN services, so it's easy to isolate corporate resources and assign access privileges to authorized users via filtering.

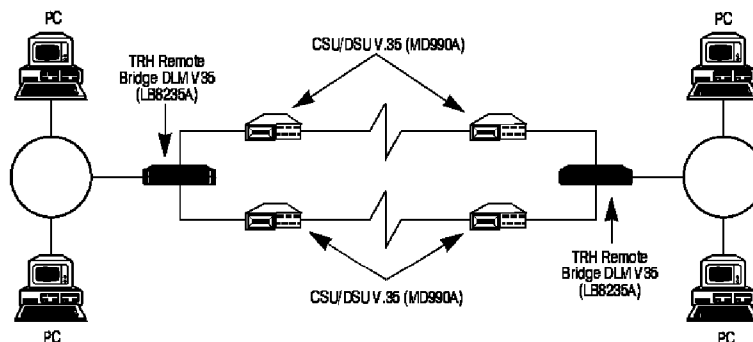
LEDs show you network status—Power, LAN, Link 1, and Link 2—at a glance.

Setup is quick and easy. Since there's no complex preconfiguration, you simply plug and play. However, if you do need to customize, an integral, easy-to-use "hot-key" menu console gives you access to statistical information and control of the network configuration.

Typical Application

Interconnect two remote Token Rings over a T1 leased line with a pair of TRH Remote Bridges.

Use the TRH Remote Bridge with CSU/DSUs to internetwork your Token Ring LANs.



Technically Speaking

Each time you power-up your Remote Bridge, it performs extensive hardware and software tests to ensure the integrity of the unit and its attached LAN and Link interfaces.

With the two WAN interfaces, you can set up a dual link for extra bandwidth (through dynamic load-balancing) and added fault-tolerance. The Bridge automatically reroutes transmissions if one of the two links should fail. LAN

services stay available to users, thanks to this fault- and disaster-tolerance.

You can manage your WAN and LAN traffic via the menu-driven software. You can maintain LAN and link statistics and run diagnostics.

The Bridge is equipped with a standard DB9 lobe interface for connection to the MAU via Type 1 or Type 3 (UTP) cable.

These Bridges also support the IBM source-routing protocol—and they work

with any other source-routing equipment on your network.

The Bridges are protocol-transparent. They support IBM® PC LAN Program, NOVELL® NetWare®, Banyan® VINES™, Microsoft® LAN Manager, and other popular networking programs.

The Complete Package

What you get when you order a TRH Remote Bridge.

- ◆ TRH Remote Bridge
- ◆ Power Supply
- ◆ DB25 to M34 Adapter
- ◆ User's Manual

Additional equipment you may need

- ◆ T1 CSU/DSU
- ◆ CSU/DSU V.35
- ◆ V.35 Interface Cable

For these and other components...

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

Specifications

TRH Remote Bridge

Indicators — (4) LEDs: Power, LAN, Link 1, Link 2

Speed — 16/4 Mbps, V.35 (WAN); up to 4 Mbps aggregate

Protocol — Source-routing

Connectors — (1) DB9 female (Token Ring), (2) DB25 female (V.35 WAN), (1) DB9 male (console)

Power — 100-250 VAC, 60-50 Hz, 0.3 -0.7 A

Size — 2"H x 10"W x 10"D (5.1 x 25.4 x 25.4 cm)

Weight — 11 lb. (5 kg)

Ordering Information

This information will help you place your order quickly.

PRODUCT NAME	ORDER CODE
TRH Remote Bridge—SLM V11	LB8111A
TRH Remote Bridge—SLM V35	LB8135A
TRH Remote Bridge—DLM V11	LB8211A
TRH Remote Bridge—DLM V35	LB8235A