

BLACK BOX[®]

NETWORK SERVICES

Rapid Router

Powerful, high-speed routing in a low-cost, compact package.



Key Features

- ▶ *High-speed IP routing.*
- ▶ *Uses industry-standard MC68EN360 Quad Integrated Communications Controller (QUICC).*
- ▶ *May be configured as a bridge or a router to suit your application.*
- ▶ *Eliminates the WAN bottleneck usually associated with access routers.*
- ▶ *User-friendly menu interface.*
- ▶ *The Plus model supports transparent bridging, MAC filtering, SNMP, Telnet, Frame Relay, PPP, and TFTP for software upgrades.*

Perfect for microwave applications or others that require high bandwidth across the WAN, the Rapid Router gives you powerful high speed IP routing in a low-cost, compact package. It provides Ethernet connectivity for proprietary synchronous serial interfaces at speeds up to 10 Mbps.

Combining the speedy Motorola MC68360 Quad Integrated Communications Controller (QUICC) with memory and transceivers, the Rapid Router proves to be the most economical high-speed router on the market today.

And it conforms to your application—simply configure the Rapid Router as a bridge or router. In QUICC bridging mode, the Rapid Router processes up to 9000 packets per second, effectively eliminating the WAN bottleneck usually associated with access routers.

And configuration's easy with the user-friendly software interface.

Two models are available. Order the one that supports your application:

- The Rapid Router (part number LR8000A) supports high-performance bridging and static IP routing.
- The Rapid Router Plus (part number LR8001A) supports SNMP, Telnet, TFTP, PPP, and Frame Relay.

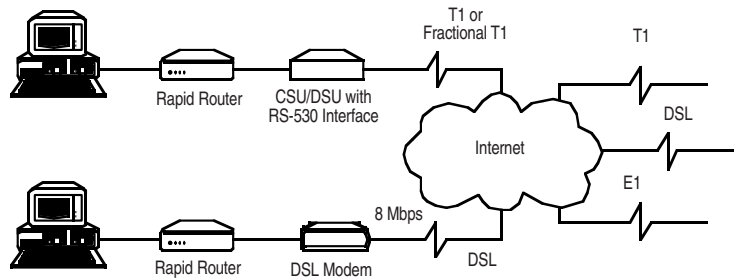
Typical Applications

Give your LAN users access to the Internet with the Rapid Router.

Bridge your corporate LAN/WAN.

Access the Internet, bridge your corporate WAN/LAN, install a high-speed WAN router, support wireless networks—and more—with the Rapid Router from Black Box!

Sample Internet access application.



Technically Speaking

The Rapid Router is a unique combination of the powerful Motorola MC68360 Quad Integrated Communications Controller (QUICC) with memory and transceivers.

Configure it as a bridge or router to support packet rates of up to 9000 pps.

Models are available that support transparent bridging, MAC filtering, IP routing, SNMP, Telnet, Frame Relay, PPP, and TFTP—choose the one to suit your application.

The user-friendly menu interface provides access to the software features listed above. Plus, it gives you access to network traffic statistics to streamline installation and maintenance.

Additional equipment you may need:

- Category 5 Patch Cables
- RS-530 Data Cables

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

LAN Interface — 10BASE-T Ethernet (shielded RJ-45 10BASE-T connector)

WAN Interface — RS-530, maximum speed 10 Mbps (DB25 male connector)

Management — RS-232 menu-based user interface (shielded RJ-11 connector)

Protocols — TCP/IP, ICMP, RIP, ARP, TFTP, SNMP, PPP, Frame Relay

Processor — 25-MHz MC68EN360 QUICC, running at 24.576 MHz

Memory — DRAM: Up to 32 MB; Flash ROM: Up to 1 MB

Temperature — Operating: 0 to 50° C; Storage: -4 to 60° C

Humidity — 85% noncondensing

Power — External +5 VDC power supply (2.0 mm jack), 5 Watts maximum consumption

Size — 2.87 x 15.24 x 11.76 cm

Weight — 0.45 kg

Ordering Information

This information will help you place your order quickly.

PRODUCT NAME	ORDER CODE
Rapid Router.....	LR8000A
Rapid Router Plus.....	LR8001A
<i>You might also want to order cables:</i>	
CAT5 Color Patch CableEVNSL01 through EVNSL04, EVMSL05	
RS-530 Data Cable 25-pin (12½ pairs), Pinning 1-25	EVN530