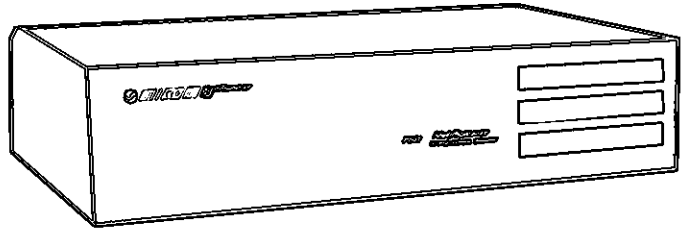


MICOM NETRUNNER[®] 75E

Integration Router

The NetRunner 75E is an advanced multiprotocol LAN router that integrates LAN, legacy data and toll-free voice/fax traffic for branch office internetworking



LAN Router Integrates Voice/Fax and Data

Features

- Integrates LAN, voice, fax, and legacy data traffic for substantial cost savings over private leased lines or public frame relay
- Provides industry standard multiprotocol TCP/IP and Novell IPX routing and transparent bridging
- Self-learning operation reduces administrative burdens and costs
- Automatic WAN routing of "non-routable" protocols, such as DEC LAT and NETBIOS
- ARP and SAP/RIP spoofing eliminates unnecessary broadcast traffic for efficient bandwidth utilization
- High-speed, hardware-based compression of LAN traffic increases throughput
- Built-in legacy data integration for cost-effective client-server migration
- Locally-attached frame relay devices can transparently pass traffic to the public frame relay network, protecting your capital equipment investment
- Supports new 8 Kbps ClearVoice™ technology for telephone conversations with toll quality while consuming minimal bandwidth
- A primary link can be established based on time-of-day configurations for economic remote access
- Three-year hardware warranty

O v e r v i e w

The NetRunner 75E provides the most advanced and cost-effective solution for connecting branch offices into the corporate internetwork. With EasyRouter™ technology, the 75E supports self-learning operation to reduce administrative burdens, while ARP/SAP spoofing eliminates unnecessary broadcast traffic for enhanced bandwidth efficiency. The 75E can also utilize standard IP/IPX routing for full interoperability with other routers.

Unlike traditional routers, the 75E also allows integration of legacy data traffic and voice/fax communications with LAN traffic, along with its standard routing functions. This integration reduces dial-up charges and unnecessary multiple link costs by consolidating all communications traffic onto a common link. You can cut communications costs dramatically by eliminating toll charges for all inter-company telephone and fax calls while maintaining viable remote office data connectivity.

The NetRunner 75E utilizes either private leased lines or public frame relay services for cost-effective internetworking. For private leased lines,™ *MicroBand* ATM cell relay technology allows optimal throughput for LAN, voice, fax and legacy data traffic. A *MicroBand* ATM port can be configured for wide-area link backup.

For public frame relay access, the NetRunner 75E allows integrated communications traffic to travel over a common PVC to its destination. Multiple physical links can be configured to segment traffic for access to multiple public frame relay carriers. The 75E also allows locally-attached frame relay devices, including those that support RFC 1490 encapsulation, token ring and SNA applications, to transparently pass traffic to the public frame relay network.

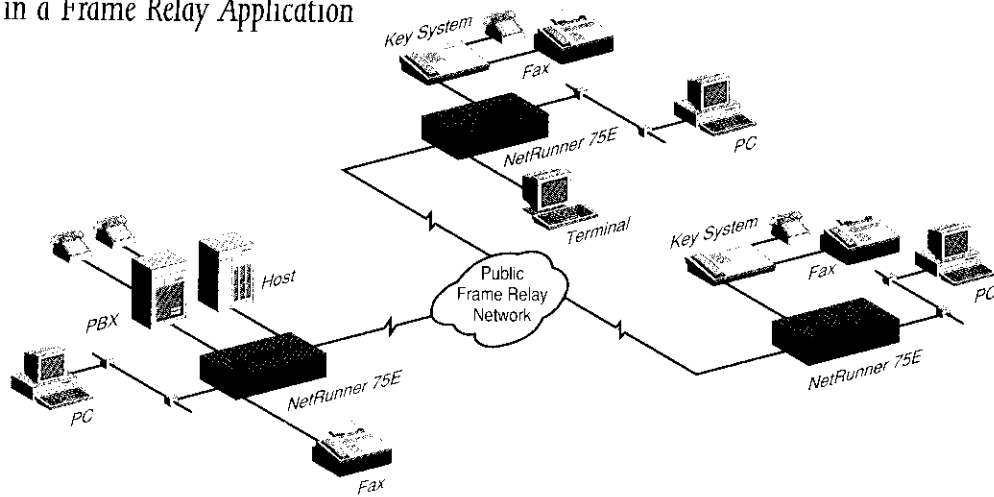
Powerful routing, ease-of-use, and cost-saving integration over both private leased lines and public frame relay make the award-winning NetRunner 75E the total branch-office interconnectivity solution.



Feb 6, 1996

Specifications

NetRunner 75E in a Frame Relay Application



INTERFACES

LAN Connection: Ethernet

Automatic port discovery for IEEE 802.3 AUI and UTP 10Base-T

COMPOSITE WAN LINKS

Primary (Port A1)

Female, DB-25, strap-selectable as RS232, X.21, or V.35; configured as DCE; serial synchronous; internal/external clocking

Secondary Backup Link (Port A2)

EIA RS-232 (CCITT V.24/V.28); female DB-25, configured as DCE; serial synchronous; internal/external clocking; full-duplex

MicroBand ATM LEASED LINE ACCESS

1 Link supporting access from 2400 bps to 64 Kbps

FRAME RELAY ACCESS (Port A1 and Port A2)

2 Physical Links configurable for up to 32 PVCs *

Access Rates: 56 Kbps to 640 Kbps

Maximum Sustained Throughput: Up to 384 Kbps

Network Topologies: String, Star, Delta, Mesh

VOICE/FAX CHANNELS

Maximum Voice/Fax Channels: 4

Voice/Fax Expansion Models: TUVVM, VM, IVVM and UVM, including fax switch option

MULTIPROTOCOL ROUTING

Routed Protocols: IP (RFC 1009) and IPX (RFC 1362)

Routing Protocols: RIP, EasyRouter Technology and Automatic WAN Routing

BRIDGING

Transparent: supporting all LAN protocols, including LAT, NETBIOS, AppleTalk, DECnet and oversize packets in Novell NetWare. Local handling of ARP and SAP/RIP requests

Filters: Automatic filtering on destination address.

User-configurable filters: Broadcast Protocol type, Multicast Pattern match, Source address

PERFORMANCE

Filtering: 8,000 frames per second (64-byte packets)

Throughput: Saturates one 56/64 Kbps link with compressed LAN traffic

COMPRESSION

LAN data compressed up to 4:1; IP, IPX and LAT headers compressed up to 10:1

LEGACY DATA CHANNELS

Interface: Female DB-25, EIA RS-232 (CCITT V.24/V.28); serial async/sync; full-duplex; DCE

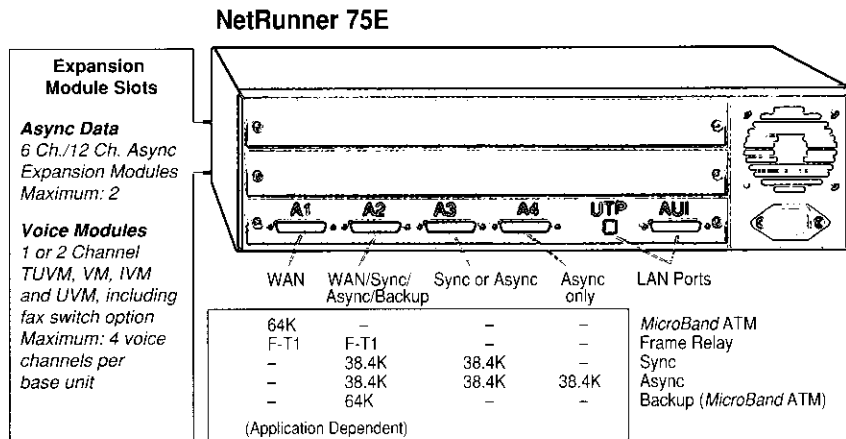
Data Rates (Sync/Async): Up to 38.4 Kbps

Maximum Sync Data Channels: 1

Maximum Async Data Channels: 27

* Application dependent

Specifications



OPTIONS

Integral Legacy Data Expansion Modules
Integral Voice/Fax Modules
SNA Protocol Spoofer (SNAPS)

NETWORK MANAGEMENT

MICOM's NETMan PC-based network management system LAN and WAN; SNMP-based console (public domain MIBII, GETs only) LAN only; local/remote terminal on WAN; through LAT or TELNET connection on LAN

CODE DOWNLOAD

Software updates via Flash Memory

PHYSICAL DIMENSIONS

Width 17.4 inches (44.2 cm)
Height 4.4 inches (11.2 cm)
Depth 11.8 inches (30 cm)
Weight 13 lbs (5.9 kg)

POWER REQUIREMENTS

100-240 Vac -5%, +10%, 1-2 amps;
47 to 63 Hz, 88 watts maximum

OPERATING ENVIRONMENT

Temperature:

32° to 122° F (0 to 50° C) operating
-40° to +158° F (-40 to +70° C) storage

Humidity:

10 to 90% relative humidity (noncondensing) operating
0 to 95% relative humidity (noncondensing) storage

AGENCY COMPLIANCE

FCC Part 15 Level A, FCC Part 68,
C.R.C., c. 1374

EN55022 (CISPR 22 Level B)

EN50082-1:1992 (contact MICOM for
IEC801/EN55024 compliances)

UL 1950:1993

CSA Standard C22.2 No. 950:1993

IEC 950:1991+A1:1992

TUV: EN60950:1992, EN41003:1993,

BABT/BS-340



MICOM Communications Corp.
4100 Los Angeles Avenue
Simi Valley, California 93063-3397

Tel: (805) 583-8600
Fax: (805) 583-1997

Internet Web page: <http://www.micom.com>
E-mail address: info@micom.com
24-Hour FAXBACK System: (805) 582-7478

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In the United States call:

Tel: 800-642-6687 • Fax: (800) 343-0329

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