Synchronous Office Routers

Livingston PortMaster Synchronous Office Routers

High-Speed Access for Demanding Internet Applications.

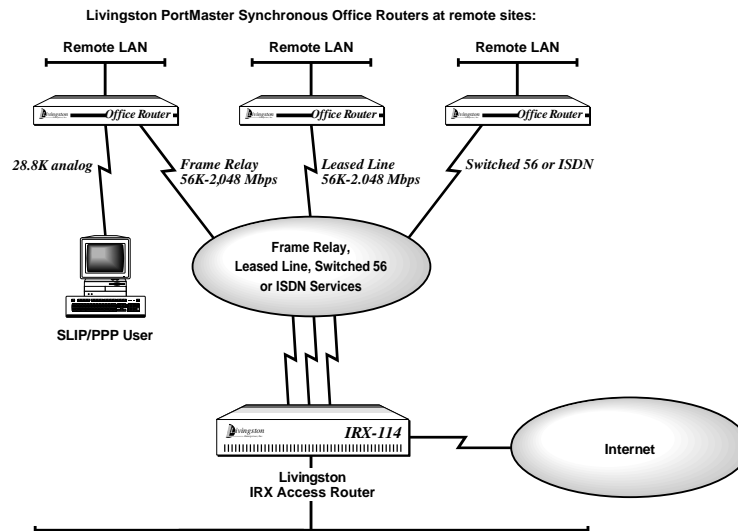*Part of the Livingston Office Router family.*

Secure, Reliable and Cost-Effective Internet Access.

Whether you are a growing business, a branch office, or a school, you want Internet access for your local area network. For the highest performance, greatest reliability, and tightest security, you need the PortMaster™ Synchronous Office Router from Livingston, a provider of remote access technology to more than 1500 Internet Service Providers. Livingston PortMaster Synchronous Office Routers give you high-speed and transparent access to all Internet resources, including the web, e-mail, and file transfers. For maximum security, advanced firewall filtering lets you selectively control all incoming traffic to protect your network from intruders. And, for greater productivity, Livingston ChoiceNet™ technology lets you control employee or student access to Internet sites.

Two versions are available — the T1/E1 model for speeds up to 1.544/2.048 Mbps and the 384K model. Both support Frame Relay, leased line and switched 56 wide-area network services. Each version also contains an asynchronous port, enabling dial-in access for remote users (see diagram). Like all PortMaster products, PortMaster Synchronous Office Routers run Livingston's industry-standard ComOS™ operating system software, the world's most efficient and reliable remote access platform. Router set-up, configuration and management are easy and flexible. And Livingston provides free lifetime technical support and software upgrades.

Another piece of Livingston's total remote access solution.

Livingston PortMaster Synchronous Office Routers at remote sites:

Remote LAN   Remote LAN   Remote LAN

Livingston Office Router   *Livingston* Office Router   *Livingston* Office Router

28.8K analog   *Frame Relay 56K-2,048 Mbps*   *Leased Line 56K-2.048 Mbps*   *Switched 56 or ISDN*

Frame Relay, Leased Line, Switched 56 or ISDN Services

SLIP/PPP User

Livingston **IRX-114**

Internet

Livingston IRX Access Router

Livingston
Enterprises, Inc.

SPECIFICATIONS

GENERAL

Flash memory
Local or network booting
SNMP (MIB 2)
Reverse Telnet
Ping utility
Traceroute utility
IPX SAP Filtering
Domain name service or network information service
Single or multi-protocol support selectable on each port
Novell keep-alive spoofing
PPP auto detect
Session idle timers
BOOTP

SUPPORTED PROTOCOLS

TCP, IP, IPX, SPX, SAP, RIP, SLIP, CSLIP, ICMP,
UDP, ARP, telnet, rlogin, PPP (Fully compliant: RFC 1331;
RFC 1332; RFC 1334; backward compatible: RFC 1171;
RFC 1172; RFC 1877)

ROUTING SUPPORT

Concurrent TCP/IP and Novell IPX routing
On-demand dial-up routing
Unnumbered WAN links for TCP/IP
Static routes
On-demand, continuous connection, and manual/scheduled dialing
Dynamic routing using RIP for IP and IPX
RIP support on a per-interface basis
Support for IP host, subnet, and network routes
Automatic packet queuing and redial
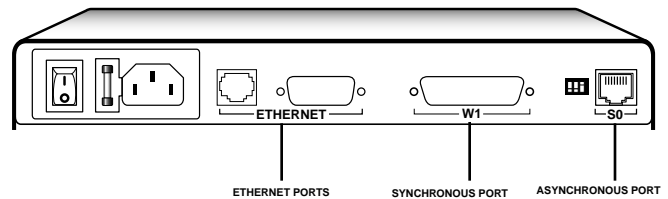*Proxy ARP*

SECURITY

Local username/password database
Dialback
PAP and CHAP authentication
Inbound/outbound IP and IPX packet filters
Central authentication via RADIUS protocol
Authorization filters (source address, destination address, protocol,
protocol service [web, e-mail, ftp], status of connection)
User accounting (audit trails)
ChoiceNet content management tool

ASYNCHRONOUS PORT SUPPORT

Concurrent TCP/IP and Novell IPX dial-in
LAN-to-LAN dial-on-demand routing
Standard dial-up phone lines (using V.32bis and V.34 modems)
Dial back-up of WAN port
ISDN (with external terminal adapter)

SYNCHRONOUS PORT SUPPORT

LAN-to-LAN routing
Frame Relay
Leased-line services (56K, 64K, fractional T1/E1, T1/E1)
Switched 56
ISDN (with external terminal adapter)
V.25bis

LIVINGSTON PORTMASTER SYNCHRONOUS OFFICE ROUTER with Ethernet port (AUI connector or built-in 10BaseT transceiver), synchronous port, and asynchronous serial port.

HARDWARE

One Ethernet port with two connector choices
    AUI connector
    Built-in 10BaseT transceiver (RJ-45)
One synchronous port
    T1/E1 version: up to 2.048 Mbps (E1)
    384K version: up to 384 Kbps
    DB-25 connector
    V.35, X.21, RS-530 electrical interface

One asynchronous serial port
    Up to 115.2 Kbps
    RS-423/232 interface
    RJ-45 connector
    DTR, DSR, DCD, RTS, CTS, TXD, RXD signals

Dimensions
    Length: 8.75 in (22 cm)
    Width: 10.5 in (26.2 cm)
    Height: 1.75 in (4.3 cm)
    Weight: 3.9 lb (1.8 kg)
Power Requirements
    110 VAC ± 10%, 47-63 Hz
    240 VAC ± 10%, 47-63 Hz
Environmental Operating Range
    Temperature: 32F to 104F (0C to 40C)
    Humidity: 10% to 90%
Agency Approvals
    FCC, UL, CSA, TUV, CE

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