PortMaster 25

Livingston PortMaster 25 Communications Server
High-Density Dial-Up Connectivity.

Another

piece of

Livingston's

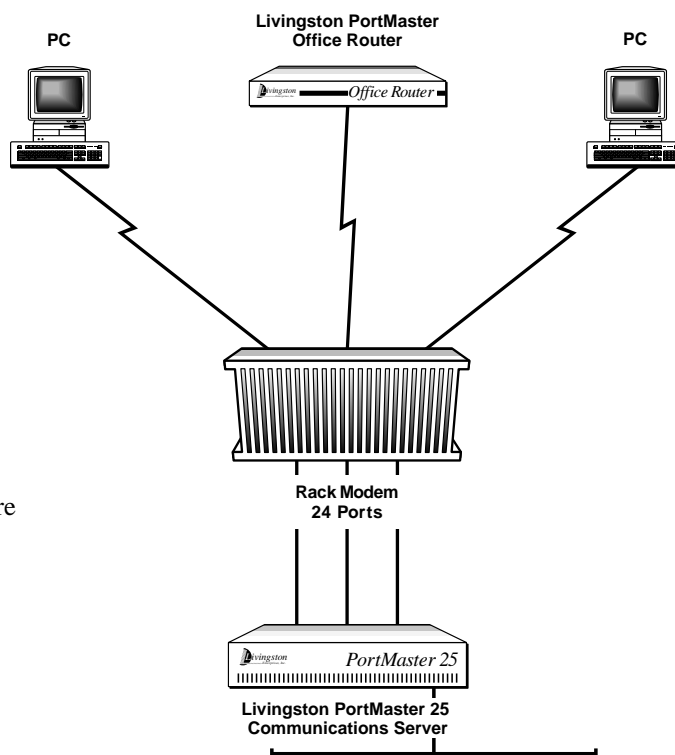**total**

remote

access

solution.

Low-Cost Access for Large, Dispersed Groups

The new PortMaster™ 25 is the least expensive way for corporations and Internet Service Providers to provide access for large groups of people over standard telephone lines. Compact and rack-mountable, the PortMaster 25 features 25 high-speed asynchronous ports. Three high-density connectors — one for each eight ports — allow direct connection to "modem racks" such as the USRobotics Total Control chassis. The 25th port is a console port, which can also be used as a dial-up port.

Although half the size of Livingston's popular PortMaster 2E multiprotocol communications server, the PortMaster25 offers the same features and employs the same proven high-speed architecture. It also includes Livingston's RADIUS (Remote Authentication Dial In User Service) protocol, which provides centralized security with advanced authentication, authorization and accounting functions.

Livingston PMconsole™ administration software with its graphical user interface makes the PortMaster 25 easy to configure and maintain. It can also be managed using commercial SNMP systems.

PC

Livingston PortMaster Office Router

Livingston ━━━ Office Router

PC

Rack Modem 24 Ports

Livingston *PortMaster 25*

Livingston PortMaster 25 Communications Server

Livingston Enterprises, Inc.

GENERAL

Flash memory
Local or network booting
SNMP (MIB 2)
Reverse Telnet
Ping utility
Traceroute utility
IPX SAP Filtering
Multi-line load balancing
Alternate tftp boot via network
Domain name service or network information service
Single or multiprotocol support selectable on each port
Novell keep alive spoofing
PPP auto detect
Session idle timers
Clear channel TCP

SUPPORTED PROTOCOLS

TCP, IP, IPX, SPX, SAP, RIP, SLIP, CSLIP, ICMP,
UDP, ARP, Telnet, Rlogin, PPP (fully compliant:
RFC 1331, RFC 1332, RFC 1334, RFC 1618; backward compatible:
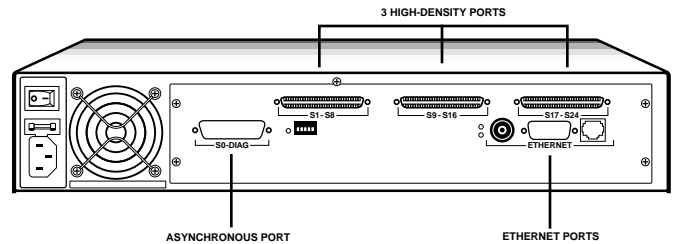*RFC 1171, RFC 1172.)*

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
Dial connections support "chat scripts"
Dynamic routing using RIP for IP and IPX
RIP support on a per-interface basis
Static routing applied if interface goes up/down
Trusted router RIP filtering
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
Packet logging to centralized host
Central authentication via RADIUS protocol
Per user authorization filters (source address, destination address,
   protocol, protocol service (Web, e-mail, ftp), status of connection)
User accounting (audit trails)

ASYNCHRONOUS PORT SUPPORT

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

*Back panel of **LIVINGSTON PORTMASTER 25 COMMUNICATIONS SERVER** with three high-density ports, one asynchronous and one ethernet port.*

HARDWARE

One Ethernet port with three selectable interfaces:
   Built-in 10BaseT transceiver (twisted pair)
   Built-in 10Base2 transceiver (thin Ethernet)
   AUI connector
24 asynchronous serial ports (eight per connector)
   Three high-density connectors
   Up to 115.2 Kbps
   RS-423/232 interface
   DTR, DSR, DCD, RTS, CTS, TXD, RXD
   Choice of USRobotics high-density cable or
   optional DB-25 fan-out cable
One asynchronous serial console port
   Up to 115.2 Kbps
   RS-432/232 interface
   DB-25 connector
   DTR, DSR, DCD, RTS, CTS, TXD, RXD signalling
Dimensions
   Length: 11.5 in (29.2 cm)
   Width: 16.8 in (42.7 cm)
   Height: 3.2 in (8.1 cm)
   Weight: 12.9 lb (5.9 kg)
Power Requirements
   110 VAC ± 10%, 47-63 Hz
   240 VAC ± 10%, 47-63Hz
Environmental Operating Range
   Temperature: 41F to 113F, 5C to 45C
   Humidity: 20% to 80%
Agency Approvals
   FCC, UL, CSA
Rack mount kit included

![Livingston Enterprises, Inc. logo]

Livingston Enterprises

6920 Koll Center Parkway, # 220

Pleasanton, California 94566

phone 800.458.9966 *or* 510.426.0770

fax 510.426.8951

e-mail sales@livingston.com

web http://www.livingston.com

960-1013B 12/95