Zoom/Access 2 ™

Cross-Platform Remote Networking Server

- **Cross-platform remote access server to connect your LAN to the Internet, remote users, or another LAN**

- **Easy integration of Wide Area Networking with these slide-in module options: serial port (RS-232), 56K faxmodem, ISDN, CSU/DSU (leased line)**

- **Integrated IP filtering provides a security firewall for your site and controls your user traffic**

- **Includes Windows® and Macintosh® dial-out software to enable sharing of access to fax and modem through the LAN**

- **Dial-on-demand or dedicated routing saves phone charges**

- **Remote users access LAN devices using the included Windows-based proxy software**

- **Remote management through the World Wide Web with WebManage™**

- **Multi-tiered security includes RADIUS and PAP/CHAP authentication**

About the Zoom/Access 2

Zoom/Access 2 brings Internet and remote access within reach of every small organization or branch office. Zoom/Access 2 is a multi-protocol 2-port Internet router and remote access server that connects your remote users to your network and your network to another site or the Internet at speeds up to 128 Kbps. Zoom/Access 2 ports can be easily configured for PC or Macintosh dial-out access, saving the expense of modems and phone lines at each user's desk. Using standard phone lines, digital leased lines, frame relay, or ISDN, users can share Internet access on a network and reduce the need for individual phone lines. Upgrade to faster connections as bandwidth demands increase. Zoom/Access 2 is flash memory-based, making downloading software upgrades as easy as point-and-click. Zoom/Access 2 will get your network and your remote users connected easily and quickly—at a cost that won't break your budget.

Internet & WAN Routing

Zoom/Access 2 enables you to exploit your telco's most cost-effective connection options. You can connect your office to the Internet through the serial port using an external modem or other access device. Or you can streamline your setup with convenient slide-in module options including a 56K faxmodem, CSU/DSU for 56K leased line and Frame Relay access, or ISDN Terminal Adapter for 128 Kbps BRI ISDN access.

You can easily mix CSU/DSU, faxmodem, or ISDN adapter modules, providing flexible access as well as reliable backup. For example, you can use a CSU/DSU and a leased line for the lowest-cost continuous link to the Internet, plus ISDN for primary or backup LAN and Internet access. A faxmodem can also provide backup with the additional benefit of remote dial-in network access and shared fax services for the network at the protocol level.

Zoom/Access 2 enables you to minimize telecom charges. It supports both dial-on-demand and permanent connections, so that connections are automatically established only when there is information to be sent to a remote link and brought down when the transfer is finished. Zoom/Access 2 uses WAN standard PPP, so it interoperates with products and services from ISPs and all major router vendors.

Once connected to your ISP through Zoom/Access 2, any LAN-based PC running TCP/IP network protocol can access Internet e-mail, send and receive files via FTP, search for information on Usenet, or browse the World Wide Web.

Remote Access

Remote PC, Macintosh, and UNIX users can dial into Zoom/Access 2 using industry standard PPP software. Unlike ARA servers, Zoom/Access 2 does not encapsulate IP within AppleTalk, resulting in about 40% greater IP throughput for Macintosh users.

Zoom/Access 2 supports both PC and Macintosh clients. PC users may choose from many TCP/IP remote access client applications, including Chameleon™, Novell® LAN Workplace™ and the remote client built into Windows 95™. Zoom/Access 2 includes WanderLink™ PPP from Funk for remote dial-in.

Macintosh clients may use AppleTalk Remote Access (ARA) or other remote access software. A trial version of LinkUPPP™ from FCR, which supports simultaneous AppleTalk and TCP/IP connections, is bundled with Zoom/Access 2 (the full version is available from Zoom or FCR).

ZOOM®

Zoom/Access 2
Cross-Platform Remote Networking Server

Configuration Management and Control

Zoom/Access 2 includes WebManage, our easy-to-use, World Wide Web-based graphical management system for PCs, Macs, and UNIX workstations. WebManage's award-winning interface allows connections to be managed from a World Wide Web browser like Netscape, so you can remotely manage users and the server anytime, anywhere. WebManage offers the most intuitive way to define and manage remote access, and routing information. With WebManage you can configure, and send configuration files to multiple Zoom/Access servers. Zoom/Access 2 comes with scripts for all popular modems.

Security

Zoom/Access 2 provides several levels of protection against unauthorized access: RADIUS, CHAP, PAP, and IP filtering.

RADIUS, a server based authentication system, gives network administrators enhanced accounting by providing detailed connection logs that can be stored on the RADIUS server. All sessions between the Zoom/Access and the RADIUS server are encrypted.

Two levels of PPP-standard authentication protocols prevent unauthorized users from accessing the network. The most secure, Challenge Handshake Authentication Protocol (CHAP) authenticates connection requests using encrypted passwords. Password Authentication Protocol (PAP) authenticates with clear-text passwords. AppleTalk filters allow zones or individual Macintosh network devices to be hidden from remote access users on a per-user basis. Zoom's management tools track user connections, record the identity of all callers in a log, and allow the administrator to disconnect a user.

IP filtering allows network administrators to restrict traffic and block unwanted connections to the network.

Specifications
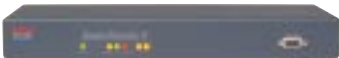
WAN/LAN Interfaces:
- 2 RS-232 synchronous/asynchronous
- Asynchronous/synchronous speeds up to 128K bps
- Autosense 10BaseT or AUI Ethernet

Optional Integrated WAN modules:
- 56K bps faxmodem
- DSU for 56K bps leased-line and frame relay access
- ISDN for up to 128K bps dialup Internet access

Modem/TA/CSU/DSU Support:
- Support for all modems
- ATDT dialing
- V.25 bis dialing

Routed Protocols: TCP/IP

IP Routing:
- Dial-on-demand for user data
- Connection time out
- Split horizon
- RIP control by port and user

WAN Transport Support:
- Point-to-Point Protocol—PPP (RFC 1661, 1662); Frame Relay (RFC 1490)

Security:
- CHAP
- PAP
- RADIUS
- IP filtering
- AppleTalk zone and device filtering
- Maximum connection time by user

Management Software:
- WebManage for WWW-based management
- Event and error log
- Save/load configuration to disk
- Import user list

Dimensions: 13.95 in. x 7.4 in. x 1.74 in.

Mounting: 19-in. rack with shelf or table top

Warranty: Warranted against defects in material and workmanship for a period of one year from the date of original retail purchase