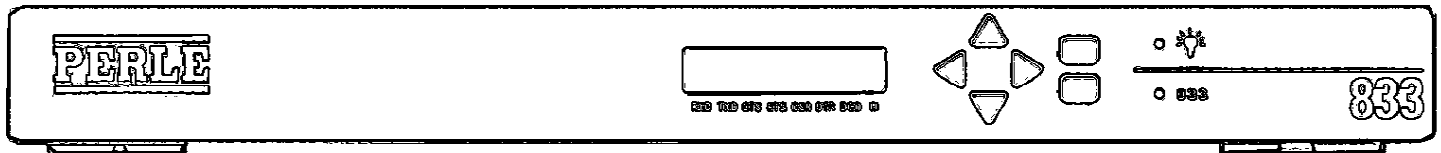


## RELIABLE, DIAL-IN LAN ACCESS FOR REMOTE USERS •

The Perle 833 Remote Access Server offers exceptional value to companies that need remote user access to LAN-based mission-critical applications and data.

- Available in Token Ring and Ethernet models.
- 2, 4, or 8 high-speed serial ports (up to 115kbps) models which offer scalability and throughput performance.
- In-band and out-of-band management functions for maximum flexibility.
- Convenient front panel display and keypad.
- Multi-level network security features.
- Windows® 95, Windows® NT Workstation, Windows® 3.x, DOS, OS/2 and Apple ARA clients supported.
- Apple ARA supported on both Token Ring and Ethernet models.
- Shared dial-out to send faxes or to access the Internet and on-line services.
- Management and dial-out software, and client software with an unlimited license.



### LAN Functions from a Distance

The Perle 833 Remote Access Server is a reliable and complete remote access server solution. Consisting of a remote access server with management and dial-out software, and client software with an unlimited license; the Perle 833 offers flexibility and a broad choice of models (2, 4, or 8 ports) available in both Ethernet and Token Ring versions. Additionally, the Perle 833 has outbound modem pooling which enables LAN users to send faxes or dial out to the Internet, Bulletin Board Services, or other on-line services.

### Simplifying Network Management

Installation and management of most remote access servers is often time-consuming. However, with the Windows®-based manager software, Perle 833 Remote Access Servers can be readily installed and managed from a PC attached either to the LAN or remotely via high-speed modems, enabling network administrators to access self-explanatory configuration and network diagnostic information. Network administrators are guided through an intelligent and thorough menu-driven install process that benefits the novice and experienced user alike. The Perle 833 even has a front panel display and keypad so that some configuration can be performed conveniently at the server if required.

The comprehensive DOS and Windows® dialers provided offer all functions and flexibility needed for the demanding remote user. For Windows®95 and Windows®NT workstation users, the native Dial-up Networking facility is supported.

### Complete Remote Access Solution

The Perle 833 is complete, out of the box. There is no need to add or configure PC COM port cards or other remote access software.

Remote PCs act like a local node on an Ethernet or Token Ring LAN and can, therefore, access all network resources such as NetWare, Windows®NT, UNIX, OS/2, LAN Server, WFWG, LAN Manager, AppleShare and Lantastic.

Corporate information systems are protected from unauthorized access with the Perle 833's multi-level security and management features. Individual user names and passwords are authenticated through PAP and CHAP, network managers can also require fixed dial-back confirmation.

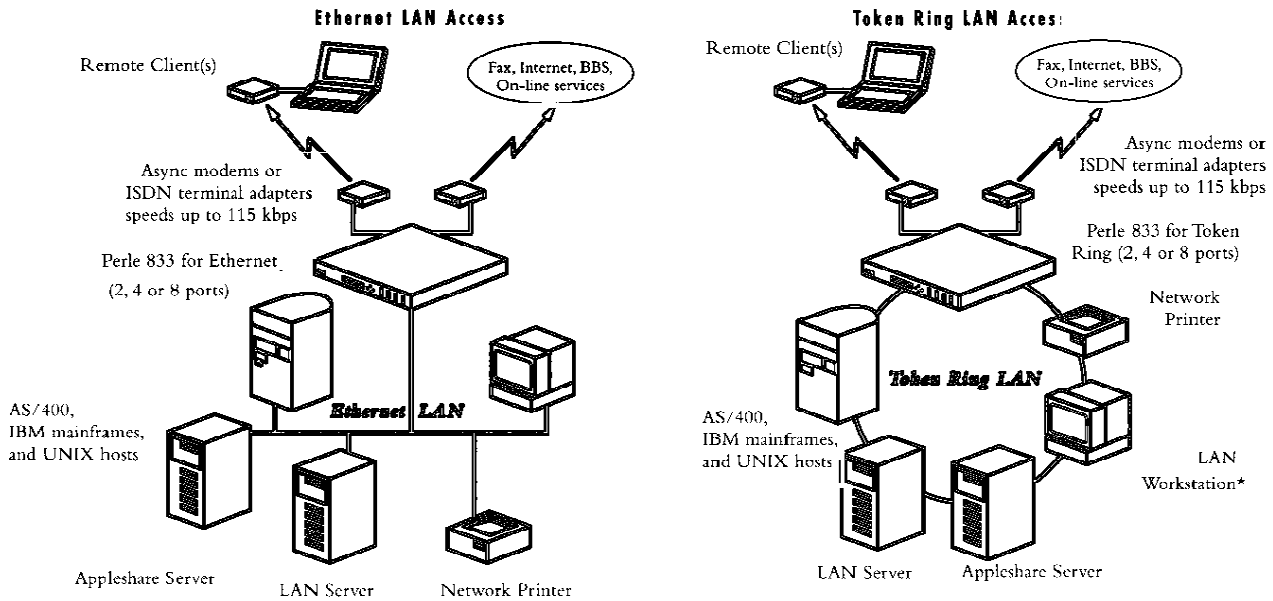
LAN attached workstations can also dial-out through the Perle 833 to send faxes or to access the Internet, BBS's and commercial on-line services. Windows®95 workstations can use Perle's 32 bit dial-out client to access these same services using 16-bit or 32 bit communications applications. Windows®95 dial-out users have the extended benefit of single node LAN to LAN communication. By utilizing Windows®95 dial-up networking, individual LAN based workstations with Perle's Windows®95 dial-out software can now dial out to corporate intranets as well as traditional dial-out applications.

Available in 2, 4 or 8 port models, the Perle 833 can connect to commonly available asynchronous modems and ISDN terminal adapters. Each port can handle a sustained data transfer rate of up to 115 kbps. When combined with the Perle 833's high speed 32-bit RISC processor, this gives users unparalleled dial-up response time and performance.



**PERLE**  
www.perle.com

## Perle 833 Network Topology



\* Management software can be run from either a local or remote Windows® PC

LAN Workstation \*

### LAN Environments

- Novell NetWare 3.x, 4.x
- Windows® NT Advanced Server
- UNIX
- Windows® for Workgroups
- Microsoft LAN Manager
- IBM OS/2 LAN Server
- Lantastic
- Appleshare server

### Remote Client Software Supported

- Perle 833 DOS /Windows® 3.x Client
- Third party PPP support
- AppleTalk Remote Access (ARA)

### Perle 833 DOS/Windows® 3.x Client LAN Protocols

- IPX
- TCP/IP
- NetBIOS/NetBEUI
- LLC2 (802.2)

### Perle-supplied Dialer

- available in DOS, Windows® 3.x, versions
  - Credit Card dialing
  - International phone numbers supported
  - Fixed or roaming dial-back
  - On-line communication status window

### Novell Software Provided

- VLM, NETX, IPXODI, Novell TCP/IP Winsock, LOGIN, LOGOUT, MAP, NLIST, CX

### Network Drivers

- ODI, NDIS 2.0

### Third Party PPP Support

- Windows® 95
- Windows® NT Workstation
- OS/2 DIALS Client

### LAN Protocols

- IPX
- TCP/IP

### AppleTalk Remote Access

- ARAP 1 or ARAP 2 protocol.

### Management

- Manage 833s from remote or local PCs
- Inband management via IPX or TCP/IP enables configuration and management of Perle 833 server(s) via Token Ring and Ethernet LANs
- SNMP support over TCP/IP which includes MIB II and other extensions.

### Security

- PAP (Password Authentication Protocol)
- CHAP (Challenge Handshake Authentication Protocol)
- Dial-back authentication
- Password aging function deletes password after pre-set time has expired

### Cabling

#### Token ring interface

- UTP, Type 3 (RJ-45)
- STP, Type 1 (DB-9)

### Ethernet interface

- 10BaseT(RJ-45)
- 10Base2(BNC)
- 10Base5(AUI)

### WAN Interface

- 2, 4 or 8 ports
- Asynchronous EIA/TIA-232-E Serial Ports for up to 115 Kbps/port
- Male DB9 EIA/TIA 574 connectors
- Compatible with external ISDN terminal adapters

### Models

#### Token Ring

- 2 ports Perle 833/2t
- 4 ports Perle 833/4t
- 8 ports Perle 833/8t

#### Ethernet

- 2 ports Perle 833/2e
- 4 ports Perle 833/4e
- 8 ports Perle 833/8e

### Warranty

Limited first year warranty includes a factory return replacement service. A one year warranty on parts and

labor is standard when the unit is returned to Perle Systems freight prepaid. Express replacement and on-site warranty services can be purchased.

### Maintenance Agreement

Maintenance agreements are available for Perle hardware at nominal cost. These include on-site or express replacement in most areas for rapid system recovery.

### Customer Assistance

Toll-free customer assistance is available to registered users of Perle products 24 hours a day, 365 days a year; providing technical assistance on Perle products over the telephone.

### Software Upgrades

Software upgrades, including functional enhancements can be obtained by registered users from the Perle WWW Site or from Perle.

