



The Perle 833IS Access Server is a complete, integrated and scalable high-speed access server for remote dial-in users to access ISP and enterprise networks. It provides enterprise-level remote access functionality usually found in high density remote access products at an entry-level price. And with Cisco IOS™ compatible configuration, the Perle 833IS is immediately productive with its low learning curve for Cisco-qualified network administrators.

## Fully Integrated High Speed Remote Access Solution

### Features and Benefits:

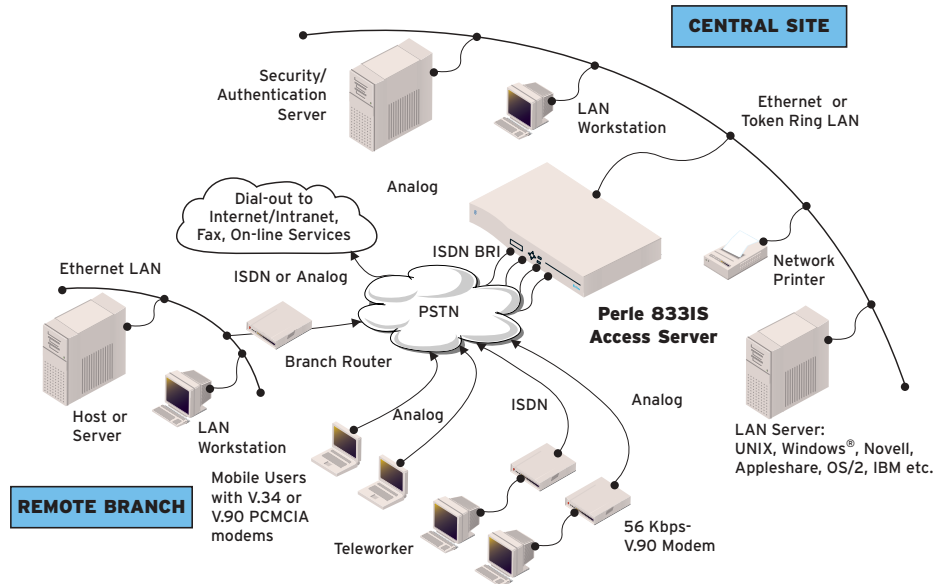
- Cisco IOS™ style command line configuration to fit seamlessly into Cisco-based networks
- Integrated 56 Kbps-V.90, V.34 modem and ISDN technology provides the most cost-effective networking for your users
- Support for analog and ISDN calls on the same BRI line simplifies access for both types of users
- Scalable support for 8 to 16 concurrent users allows users to expand with the growth of their remote dial-in population
- Multi-level security features including NT Domain Server Authentication ensure only authorized users have access to corporate resources
- Windows-based GUI Manager simplifies network control
- Full function dial-out modem pooling enables LAN-based users to send faxes\* or dial out to the Internet or other on-line services
- Convenient front panel display and keypad for easy configuration
- Lifetime warranty for security and peace of mind

### Applications

- Central site dial-in remote access with ISDN BRI service
- Departmental/workgroup dial-in remote access
- Dial-out modem pooling
- LAN-to-LAN routing

## Remote Connectivity

The Perle 833IS supports 8 to 16 concurrent dial-in, dial-out or LAN to LAN users across 4 or 8 ISDN BRI (digital or analog) connections. The native dial-up networking facility is fully supported for Windows XP, NT, 2000, 98 and 95. Expansion of the Perle 833IS is achieved quickly, easily and cost-effectively through the addition of a WAN interface card. These cards are available with or without integrated analog/digital modems, allowing Network Managers to



efficiently match the requirements of their dial-in user population. By allowing both ISDN and analog calls to be made across the same BRI line with one unique telephone number, the Perle 833IS offers a simplified approach to deploying both ISDN and analog modem technology.

## Secure Access

Security is a key issue when supporting remote users. To meet those needs, the Perle 833IS has multi-level security and management features and supports major security standards including PAP, CHAP, RADIUS, NetWare Bindery, PassGo Defender, SecurID-ACE/Server and Windows NT Domain Server.

## Dial-out, Faxing-out

The Perle 833IS unique dial-out capabilities allow LAN-based users to easily and efficiently send faxes\* or dial out to the Internet or other on-line services using the server's integrated modems. Perle 833IS servers can also be grouped into a single dial-out pool, simplifying the set-up and installation for dial-out users.

## Class Leading Service and Support

The Perle 833IS is backed by the best service and support in the industry including Perle's unique lifetime warranty.

## Technical Specifications

### Connectivity

#### LAN Interface

- 4 or 100 Mbps Fast Ethernet
- 4/16 Mbps Token Ring

#### WAN Interface

- 4 or 8 ISDN BRI (U or S/T) with or without V.90 modems

#### Management Port

- RS232 DB25 Female

### Physical Architecture

#### System Card

- 50 MHz Power PC RISC
- 16MB RAM
- 4MB FLASH
- 4 ISDN BRI

#### Expansion Card

- 4 ISDN BRI

#### Modem

- Data modulations supported Dial-in: V.90, K56Flex, V.34, V.32, V.23, V.22, V.21
- Dial-out: V.34, V.32, V.23, V.22, V.21
- Modem Protocols: V.42, MNP 2-5, MNP10, T.30 Fax, Facsimile Class 2

#### Front and Rear Panel Indicators

- Power LED
- System operational LED
- LAN connect LED
- 2 x 16 LCD panel

#### Power, Dimensions and Weight

- Operating Voltage  
100-240 VAC (auto-sensing), 50-60 Hz,
- 2.6" x 6.9" x 12.2"
- 12 lbs

#### Environmental

- Operating Temperature: 32°F-104°F

- BTU Output: 100 BTU/hour maximum
- Humidity 0-95% non-condensing

#### Approvals

- USA, Canada
- European Union, China, Japan, Australia and Hong Kong

#### Emissions

- FCC Part 15, Class A, Issue2,
- EN 55022
- VCCI Class 1

#### Telephony

- FCC Part 68, IC CS03
- European Harmonised Standard CTR3
- TS 031

### Networking

#### Administration

- Manager works from remote or local PCs
- CISCO IOS™ Style Command Line Configuration
- Management Software: Windows 2000, NT, Me, 98, 95
- SNMP support over TCP/IP including MIB II and other extensions
- IP Address Management through DHCP Server, IP Address pool, dial-in client, user record, or port record
- PPP Log

#### Network Protocols

- PPP, ML PPP, ARAP 1 or ARAP 2 protocol
- TCP/IP, IPX
- NetBEUI
- LLC (802.2)
- DHCP BOOTP
- SNMP
- EuroISDN ETSI Net3

#### LAN-to-LAN

- IP, IPX, PPP, ML PPP, RIP v1.0, 2.0, IPCP, IPXCP, Static routing
- Dial on demand, ISDN Spoofing

### Security

- Windows NT Domain Server Authentication
- PAP, CHAP
- Call-back: Windows 2000, NT, Me, 98, 95
- Packet Filtering Firewall: IPX or TCP/IP
- RADIUS
- Internal User List
- NetWare Bindery Support
- Share internal user lists between Perle 833IS's
- PassGo Defender (Axent DSS)
- SecurID-ACE/Server
- Password aging

### Dial-out Client

The Perle 833IS dial-out client supports the following desktop operating systems

- Windows 9x, NT, 2000, XP
- Linux

### Warranty

- Limited lifetime warranty

### Maintenance Agreement

- To ensure rapid system recovery, maintenance agreements are available for Perle hardware. These include on-site service in many areas, or express part replacement. Visit Perle's Web site for coverage details.  
[www.perle.com/support/service\\_sales.html](http://www.perle.com/support/service_sales.html)

### Free Software

- Perle provides free software upgrades to registered users via Perle's Web site.  
[www.perle.com/downloads](http://www.perle.com/downloads)

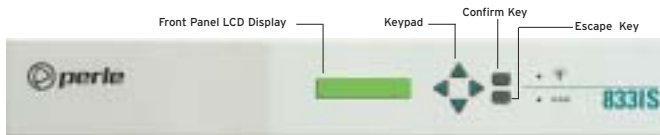
Visit the Perle Web site for up-to-date product support and technical information.  
[www.perle.com/products](http://www.perle.com/products)

\* In conjunction with third party fax software packages

### Ordering Information

For Product Codes and Model Descriptions, please visit Perle's Web site at [www.perle.com/products](http://www.perle.com/products) and select Product Family Access Servers

## Perle 833IS - 16 channel Ethernet version



Perle products available from:



**Perle Systems Inc.**  
565 Marriott Drive, Suite 850  
Nashville, TN 37214  
[www.perle.com](http://www.perle.com)

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[info@perle.com](mailto:info@perle.com)

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