IBM

IBM 8235 Dial-In Access to LANs (DIALs) Remote Access Servers

Fast, responsive, cost-effective access to centralized LAN resources

Easy expandability

Multitiered security

No difference in applications

Easy installation, 30 minutes or less

Centralized configuration and management, including status and activity logging

Multiprotocol support

Total remote access solution

General description

The IBM 8235 DIALs servers are high-performance, modular remote-access devices that enable corporations to link telecommuters (client-to-LAN) and remote offices (LAN-to-LAN) to headquarters' LANs and public networks with all the functionality and ease of use of a direct network connection. Remote users can get to the office network from any location using either analog or digital dial-up phone service. The combination of analog and ISDN technology and the 8235's multiprotocol remote-adapted routing technology deliver superior performance, secure and transparent access to critical corporate information and business processes, support for open industry standards and ease of deployment.

The 8235 is available in seven models. There are 6 fixed-port models supporting 2–8 users and a concentrator that supports up to 72 users. There are 2- and 8-port Token-Ring (051/021) or Ethernet (051/022) models with serial ports to which you can connect modems or external, asynchronous terminal adapters. There is an 8-port Token-Ring (031) or Ethernet (032) model designed with space to hold up to four ISDN BRI modules, eight V.34bis modems or eight serial cards allowing for a mix of up to eight telephone-line or modem connections.

Model I40 extends IBM's remote access technology to the high-capacity, high-performance enterprise environment. A single Model I40 can support up to 72 analog-only or 60 digital-only or a mix of 48 analog and 23 digital users with high-speed, channelized T1/E1 with ISDN PRI connections through single and dual high-speed WAN adapters.

Hot buttons

- No difference in applications for remote users.
- Easy installation, less than 30 minutes.
- Expanded multitiered security.
- Multiprotocol support. Protocols supported include AppleTalk for ARA 2.0 on Ethernet LANs, and NetBIOS, NetBEUI, 802.2 LLC, IPX (VLMs and NETX supported), TCP/IP, PPP and SLIP on both Token-Ring and Ethernet networks.
- Connections over analog or digital phone networks.
- Full RMON (and RMON-2) interface via UFC.
- Easy-to-use graphical interface for configuring and managing, including status and activity monitoring.
- Support of IBM Nways Managers for Windows or SNMP manager.
- Model I40 provides a complete solution for Internet service providers.

IBM versus the competition

- *Cisco Systems 25xx*
  - No client software
  - No NetBEUI or LLC support
  - Limited dial-in protocol support
- *USR Total Control Hub*
  - Command line management interface, $4000 extra for GUI manager
  - Third-party client, no MLP support
  - Maximum 60 users per NetServer card
  - No HP OpenView support

- *Cisco Systems AS5200*
  - Third-party client software
  - No Token-Ring support
  - Limited dial-in protocol support
- *3Com Access Builder*
  - Non-scalable solution
  - Charges separately for client licenses

Reasons to choose the IBM 8235

- Part of overall IBM network solutions
- Expandability for the future
- More functionality and performance
- Easy installation and configuration

Ordering information

8235 fixed-port models

051	8235 Token-Ring 2-port, uses external modems/TAs
052	8235 Ethernet 2-port, uses external modems/TAs
021	8235 Token-Ring 8-port, uses external modems/TAs
022	8235 Ethernet 8-port, uses external modems/TAs
031	8235 Token-Ring 8-port, uses internal modems, BRI, serial card features
032	8235 Ethernet 8-port, uses internal modems, BRI, serial card features

Features Codes for fixed-port models

4580	Single ISDN ST Basic Rate Adapter (without NT1)
5451	High-Speed (115.2-Kbps) Serial Card (single)
5575	V.34 28.8-Kbps Modem (single)
5017	Software Key for Powerburst Option for 2-port model
5018	Software Key for Powerburst Option for 8-port model

8235 DIALs Switch

I40	8235 DIALs Switch, base model (without CPU/LAN)

Features Codes for Model I40

4026	Ethernet Feature (includes CPU)
5656	Token-Ring Feature (includes CPU)
8992	8235 DIALs Switch Dual T1/PRI Adapter with software-selectable CSU/DSU
8991	8235 DIALs Switch Quad T1 (analog only) Adapter with software-selectable CSU/DSU
4031	8235 DIALs Switch Digital Modem Card (12 modems)
5019	Software Key for Powerburst Option for Model I40
4525	Single T1/PRI Adapter with CDU/DSU
4027	Single T1/PRI Adapter without CDU/DSU

For more information

Visit the networking home page at www.networking.ibm.com