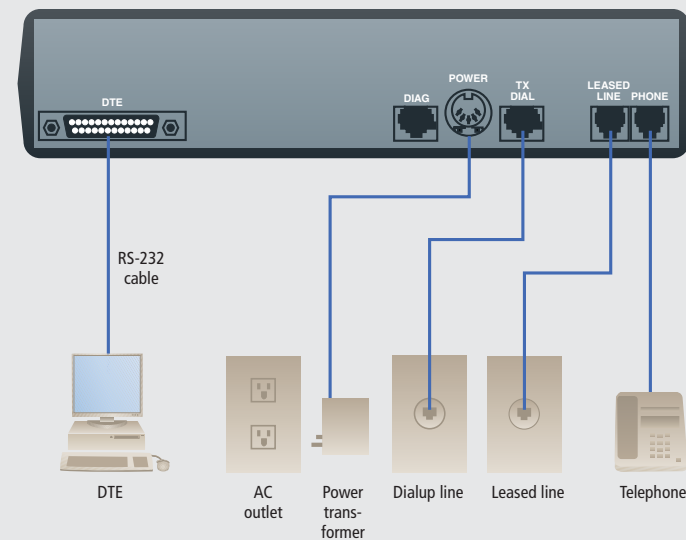## Modem 34336

# Secure sync or async dial-in access to your data center.

## FEATURES

- **Front-panel programmable.**
- **Sync or async operation.**
- **Multiple levels of network security ensures safe transmission of sensitive data such as financial information.**
- **Digital Signal Processing technology enables 33.6-kbps speeds for sync traffic, 230.4-kbps speeds for async traffic, and 14.4-kbps speeds for fax transmissions.**
- **Automatically falls back to slower modem speeds if necessary.**
- **Automatic dial backup.**
- **Supports V.42 bis and MNP 5.**
- **V.54 diagnostics.**

*The Modem 34336's connections.*



RS-232 cable

DTE    AC outlet    Power trans-former    Dialup line    Leased line    Telephone

## OVERVIEW

The Modem 34336 has the reliable performance, the top-flight security, and the wide range of features to make it ideal for secure data-center installations. Best of all, it's easily programmable from the front panel, so its features are readily accessible.

### Secure.

This modem's multiple levels of security are tailored for data centers that receive highly-sensitive data . It's particularly well suited for financial institutions that handle large amounts of private data such as account information and social security numbers.

The modem can be programmed for manual password protection (MPP) in which the connecting user manually types in a password. The modem can be set to connect the user immediately or, for an extra layer of protection, hang up and call back at a pre-determined number.

Automatic password protection (APP) incorporates the password as part of the modem training process and is transparent to the user. APP can also be set to call back.

### Flexible.

The Modem 34336 operates over the Public Switched Telephone Network (PSTN) and over 2- or 4-wire unconditioned leased lines.

Although it handles sync speeds of up to 33.6 kbps and async speeds of up to 230.4 kbps, the Modem 34336 can easily communicate with slower modems. It automatically falls back to slower modes including V.32 terbo, V.32 bis, V.23, V.22, V.22 bis, V.21, or Bell 212A.

### Compatible.

The modem supports V.13, so it works with systems configured for half-duplex modems. A V.29 Fast Train (FT) mode works in multidrop network configurations.

The V.25 bis autodialer complies with both async and sync international serial call origination standards.

AT emulation mode enables the modem to communicate with a device running intelligent communications software designed to drive an AT style autodial modem. For error correction and data compression, the modem supports V.42 bis and MNP® Class 5 in both dialup and leased-line operations.

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### Fax, too.

As a fax, the Modem 34336 is compatible with Group III, Class 1 and Class 2 Fax. It supports multiple modulation standards and speeds for a variety of fax transmissions, including V.17 at 14.4 and 12 kbps, and 9600 and 7200 bps; V.29 at 9600 and 7200 bps; and more.

### Automatic dial backup.

For leased-line applications, the Modem 34336 supports automatic dial backup. The modem monitors carrier level and signal quality and, if performance drops below selected thresholds, automatically establishes a dialup PSTN connection. Automatic lookback returns the connection to the leased line when the link is restored.

### Front-panel configuration.

Configure the modem using the 2 x 20 character LCD and six front-panel buttons. You can also use AT commands to control configuration parameters through the DTE interface.

### Diagnostics.

Last but not least, the modem includes V.54 diagnostics to quickly isolate problems and increase uptime. Test the modem from the front panel or through the DTE interface. The modem supports Analog Loopback (Loop 3), Analog Loopback Selftest, Analog Loopback Selftest with Errors, Remote Digital Loopback (Loop 2), and Remote Digital Loopback Selftest. Use the LED display to monitor the DTE interface as well as transmit and receive on the phone line.

## Technically Speaking

- In leased-line applications, the Modem 34336 monitors received carrier level and signal quality.

  If performance drops below selected thresholds, the local modem automatically establishes a dial connection to the remote modem. Thanks to automatic loopback, the communication path returns to the leased line when conditions improve.
- In dialup applications, the Modem 34336 can be programmed to redial the remote modem automatically. This is particularly helpful if the dialup line connection is lost.
- The automatic password protection (APP) feature gives you transparent security support by incorporating the password as part of the modem training process. You can also program the modem to call back the originator during the APP security process.
- The Modem 34336 supports Analog Loopback (Loop 3), Analog Loopback Selftest, Analog Loopback Selftest with Errors, Remote Digital Loopback (Loop 2), and Remote Digital Loopback Selftest.

## TECH SPECS

**Alternate Fallback Capability** — V.23, V.22, V.21
**Fax Standards** — V.29, V.27 terbo, V.21 Channel 2 T.30, V.17
**Operation** — 2-wire: Full duplex, dialup or leased lines;
    4-wire: Full duplex, leased lines
**Speed (Maximum)** —
    Sync: 33.6 kbps;
    Async: 230.4 kbps;
    Fax: 14.4 kbps
**Standards** — ITU: V.34, V.33, V.32 bis, V.32, V.29 Fast Train, V.22 bis;
    Bell: 212A, 208 A/B, 103
**Connectors** — (1) DB25 F, (2) RJ-11, (2) RJ-45, (1) 5-pin DIN
**Power** — 115 VAC, 60 Hz (230-VAC version on request)
**Size** — 2.5"H x 9.7"W x 10.7"D (6.4 x 24.6 x 27.2 cm)
**Weight** — 4 lb. (1.8 kg)

| Item | Code |
| --- | --- |
| Modem 34336 | **MD885A-R4** |

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