

## Synchronous Modem Eliminator (SME-4M)

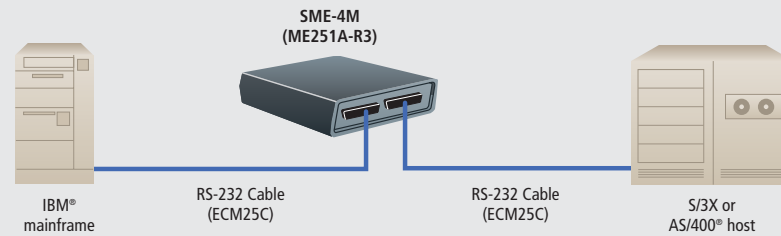


**Replaces a pair of modems to connect IBM mainframes, minicomputers, and controllers.**

## FEATURES

- Replaces two modems in point-to-point applications.
- Speeds up to 38.4 kbps.
- Small and lightweight. Easy to install or replace in the field.
- LEDs show DSR, CTS, and TXD for both ports.
- Front-panel switches set signals and select test mode.
- Operates transparently, sync or async.

*IBM compatibility at two different speeds. Runs sync or async, too!*



## OVERVIEW

The Synchronous Modem Eliminator (SME-4M) enables a mainframe or minicomputer to communicate locally with another mainframe, minicomputer, or remote controller. And best of all, it saves you money because the SME-4M replaces the two modems or line drivers normally needed for such communication.

Just one versatile SME-4M enables asynchronous, synchronous, or bisynchronous communications between two DTEs over RS-232C cable.

In synchronous mode, the unit operates at data rates that top out at 38.4 kbps. Plus the SME-4M operates transparently in either synchronous or asynchronous mode. You can also configure the SME-4M to operate at some nonstandard data transmission speeds. To set the SME-4M for one of these speeds, configure the unit according to the chart on the right.

The SME-4M is small and lightweight, so it's easy to handle. And because no special tools are needed, installation is simple.

The modem eliminator's front panel has six LEDs and three switches. The six LEDs indicate Clear To Send (CTS), Transmitted Data (TXD), and Data Set Ready (DSR) for each port. The three switches include Ring Indicator (RI) and Control Data Set Ready (CON) signals, and (LB) selects the Digital Loopback Test Mode.

Use the SME-4M's diagnostic loopback capability to test asynchronous applications. Simply press the switch and enter data at the host terminal or computer. That data should return to you exactly as you sent it.

The unit fits neatly on a desktop. Each SME-4M is shipped with a 115-VAC power transformer and a user's manual.

### Buyer's Guide Transmission Speeds

Strap Position	Transmission Rate (bps)
a	76,800
b	153,600
38,400	38,400
19,200	19,200
9600	9600
4800	4800
2400	2400
1200	1200
Crystal Frequency	2.4576 MHz



## TECH SPECS

**Clock** — Internal or external  
**Diagnostics** — Bidirectional loopback (async)  
**Operation** — Full or half-duplex  
**Protocol** — Async or sync  
**Speed** — 1.2, 2.4, 4.8, 9.6, 19.2, and 38.4 kbps  
**User Controls** — (3) switches: Ring Indicator (RI), Control Data Set Ready (CON), Digital Loopback Test Mode (LB)  
**Interface** — RS-232  
**Connectors** — (2) DB25 F  
**Indicators** — (6) LEDs: DSR, CTS, TXD for each of the two ports  
**Power** — 115 VAC/60 Hz, 10 watts  
**Size** — 1.8"H x 5.5"W x 8.6"D (4.6 x 14 x 21.8 cm)  
**Weight** — 2 lb. (0.9 kg)

Item	Code
Synchronous Modem Eliminator (SME-4M) for RS-232 38.4-kbps Standalone (115-VAC)	<b>ME251A-R3</b>
<b>For optimum performance and a 20% savings, order...</b>	
RS-232 Cable, 25-Conductor, 10-ft. (3-m)	<b>ECM25C-0010</b>

## Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

### Recognize any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.
- You don't have a purchase order number and the tech refuses to help you.
- It's 9 p. m. and you need help, but your vendor's tech support line is closed.

According to a survey by Data Communications magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls far short of their expectations—and certainly isn't worth what they paid.

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