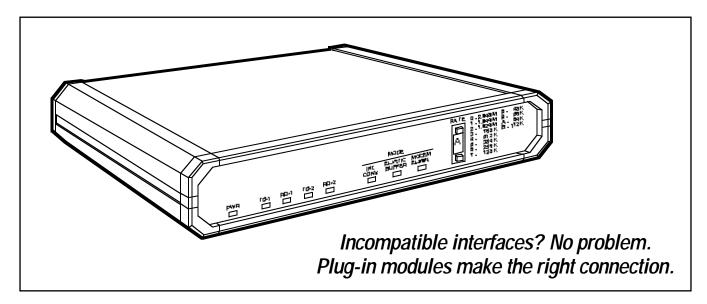


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MODULAR MODEM ELIMINATOR



Key Features

- Interface converter, modem eliminator, and elastic buffer in one compact unit!
- Supports RS-232, V.35, X.21, RS-422/RS-449, and G.703 interfaces.
- Field-replaceable interface modules.
- DCE/DTE switch for each module (except for G.703 interface).
- Speeds to 2.048 Mbps.
- Supports three G.703 standards—64-kbps, T1, and E1.

The Modular Modem Eliminator (ME260A) connects any two data-communications products with similar or different interfaces. It functions in three ways: as an interface converter, as a modem eliminator, and as an elastic buffer. A handy switch lets you select the mode of operation.

- As an interface converter, the unit enables you to connect DTE to DCE with different interfaces. It converts the physical and electrical difference between the two interfaces.
- As a modem eliminator, the unit eliminates the need for two synchronous modems.

- It enables you to connect two DTEs with similar or different interfaces. The converter provides clock, and performs handshaking of control signals, simulating modem operation.
- As an elastic buffer, the unit enables you to connect two independently clocked DCEs. It buffers data in both directions to overcome different clock phases and reduce data loss for different clock sources. The two DCEs may have similar or different interfaces.

The Modular Modem Eliminator runs at data rates up to 2.048

Mbps using internal or external clock. A complete system consists of the Modular Modem Eliminator and two Interface Modules of your choice.

- General-purpose interface modules are available for RS-232, V.35, X.21, RS-422/ RS-449, and G.703 interfaces.
- G.703 interface modules are available for 64-kbps DB15, 2.048-Mbps Coax, and 1.544-Mbps T1.

Specifications

Buffer Size: 2 buffers, 256 bits each

DCD: Selectable to be continuously on or controlled by the RTS

signal

Operation: Half- or full-duplex **Protocol:** Synchronous

RTS/CTS Delay: Selectable to 0, 6, or 53 msec for each DTE

CE Approval: Yes

Speed (Maximum): 512 kbps using internal clock, 2.048 Mbps using external clock

Connectors:

ME261C: (1) DB25 F; ME262C: (1) M/34 F; ME263C, ME266C, ME268C: (1) DB15 F;

ME265C: (1) DB37 F; ME268C: (1) coax F

Power: 115 VAC, 60 Hz ± 10% (wallmount), 5 watts

Size: ME260A: 1.7"H x 10.5"W x 9.6"D (4.3 x 26.7 x 24.4 cm); Interface modules: 2.7"H x 0.1"W x 3.9"D (6.9 x 0.3 x 9.9 cm)

Weight: ME260A: 4.1 lb. (1.9 kg); Interface modules: 0.2 lb. (0.1 kg)

Technically Speaking

Line drivers can operate in any of four transmission modes: 4-wire full-duplex, 4-wire half-duplex, 2-wire full-duplex, and 2-wire half-duplex. In fact, most models support more than one type of operation. So how do you know which line driver to use?

First, you must decide if you require half- or full-duplex operation. In half-duplex transmission, voice or data signals are transmitted in only one direction at a time, as in a CB radio conversation. In full-duplex operation, voice or data signals are transmitted in both directions at the same time, like a telephone conversation.

In half-duplex mode, the entire bandwidth is available for your transmission. In full-duplex

mode, however, the bandwidth must be split into two because data travels in both directions simultaneously.

The second consideration you have is choosing the type of twisted-pair cable you need to complete your data transmission. Generally you need twisted-pair cable with two or four wires. Often the type of cabling already installed in a building dictates what kind of line driver you use.

If you're still unsure which operational mode will work for your particular application, consult our Tech Support experts (while we still employ them) and they'll help you make your decision.

Ordering Information

ITEM CODE	E
First, order the chassis	
Modular Modem EliminatorME260A	4
next, order two interface modules.	
RS-232ME2610	3
V.35ME2620	3
X.21ME2630	3
RS-422/RS-449ME2650	3
G.703	
DB15ME2660	3
Coax FemaleME2670	3
T1ME2680	3
For optimum performance, order	
RS-232 Cable, 25-Conductor,	
10-ft. (3-m)ECM25C-0010	0
V.35 Interface Cable, 10-ft. (3-m)EYN450-0010	0
X.21 Cable, 3.2-ft. (1-m), Male/MaleEVNX21-001M-MN	/
Coax Cable, RG59 PVC (CL2),	
10-ft. (3-m)ETN59-0010-BN0	3

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

Recognise 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.

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 short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help selecting just the right component for your application.

Don't waste time and money—call Black Box today.