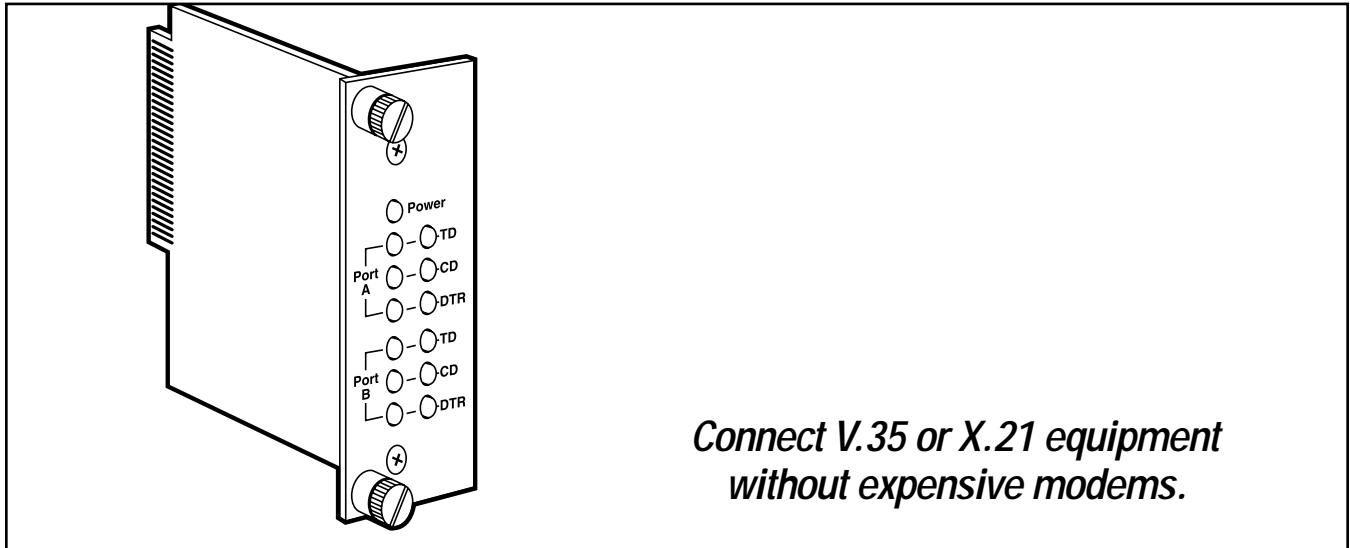


BLACK BOX[®]

NETWORK SERVICES

SYNCHRONOUS MODEM ELIMINATORS



*Connect V.35 or X.21 equipment
without expensive modems.*

Key Features

- ▶ **Two V.35 or X.21 hosts (DTEs) can communicate at distances up to 300 feet.**
- ▶ **Selectable data rates of 32, 48, 64, 72, 112, 128, and 144 kbps.**
- ▶ **MicroRACK compatible.**

If you have two sync hosts in your computer room that need to talk to each other, there's no need for a pair of expensive modems. One Synchronous Modem Eliminator does the work of two V.35 or X.21 modems.

The Modem Eliminators are just as flexible as the modems they replace. They support all the necessary data, clocking, and control signals, so you don't have to worry about compatibility.

The two hosts can be as much as 300 feet apart. If they don't have exactly the same communication requirements, that's no problem. You can set RTS/CTS delay, carrier control, and clocking independently for each port.

The plug-in model is easy to install. You configure it once with DIP switches, and then you just plug it in. That's really all there is to it.

You don't even need a power supply for the plug-in model. It takes its power from the interface.

The Rack Card versions are completely hot-swappable—you don't have to power down the whole rack to install one card.

Finally, our Modem Eliminators are worry-free. With a mean time between failures of more than 12 years, our Modem Eliminators may well outlive the equipment they connect.

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 6.30 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.

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.

Specifications

Data Rates: 32, 48, 64, 72, 112, 128, and 144 kbps

Clocking: Internal, external, or receive loopback

Protocol: Synchronous

Interface: ME109A, ME109C: CCITT V.35/EIA RS-530; ME130C: X.21

Distance: 300 feet (91.4 m), DTE to DTE

RTS/CTS Delay: Strap-selectable for 0, 7, or 53 ms ($\pm 15\%$)

Connectors: ME109A: (2) DB25 female pinned as RS-530; ME109C, ME130C: (2) Miniature UD-26

Indicators: ME109A, ME109C: (13) LEDs: (1) Power, (4) TD, (4) CD, (4) DTR; ME130C: (9) LEDs: (1) Power, (4) TD, (4) CD

Mean Time Between Failures: 111,647 hours (more than 12 years)

Temperature Tolerance: 0 to 60°C

Humidity Tolerance: Up to 95%, noncondensing

Altitude Tolerance: Up to 3048 m

Power: ME109A: Pins 4 or 20 on either RS-232 port; ME109C,

ME130C: From the rack

Size: Plug-In: 7.6 x 5.1 x 2 cm Rack Cards: 2 rack units high

Shipping Weight: 0.5 kg

You may also need . . .

- For either Rack Card, you need our MicroRACK: 2-port (RM202), 4-port (RM204), 8-port (RM208), or 16-port (RM216)

- For the V.35 Rack Card, you need one of these 6-foot UD-26 cables: EHN1206-01 (V.3 male) or EHN1206-02 (V.35 female).

- For the V.35 Plug-In model, you might need one of these adapters: V.35 Adapter Cable (M/F)—EHN067-0006-MF (converts DB25M to female M-block) or V.35 Adapter Cable (M/M)—EHN067-0006-MM (converts DB25M to male M-block).

Ordering Information

ITEM	CODE
Synchronous Modem Eliminators	
V.35 Plug-In	ME109A
V.35 Rack Card.....	ME109C
X.21 Rack Card	ME130C



Black Box offers the best warranty program in the industry—Fido Protection®. For more information, request **FaxBack 22512**.