



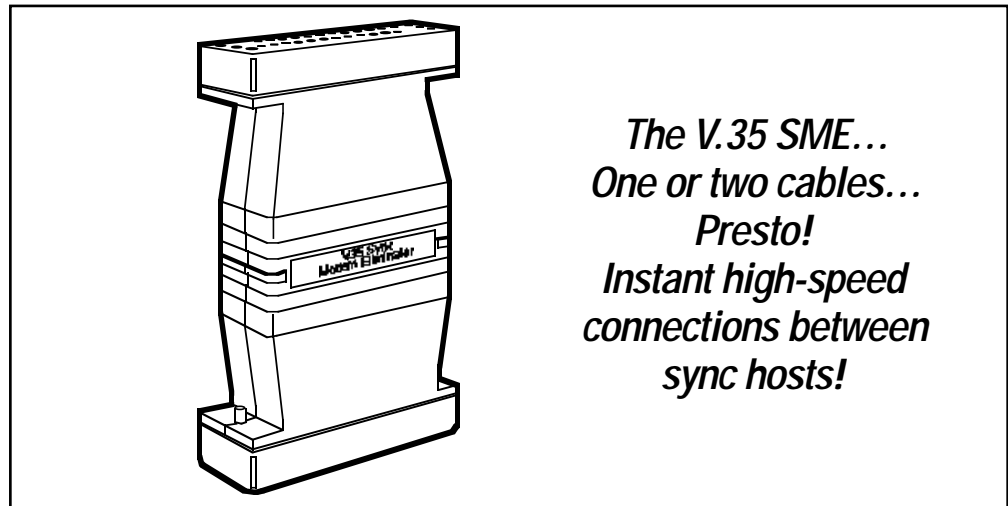
BLACK BOX[®]

NETWORK SERVICES

V.35 SYNC MODEM ELIMINATOR

Key Features

- ▶ **Full-featured high-speed sync connectivity in a "configure, plug, and forget" package.**
- ▶ **Gets its power right from the host's interface signals—no transformers, power cords, or batteries to worry about.**
- ▶ **Transmit as far as 150 ft. (46 m) from either port.**
- ▶ **Select from a variety of data rates between 32 and 144 kbps.**
- ▶ **Can use either its own internal clock or a clock signal from the computer on Port A.**
- ▶ **Can emulate dialup or leased-line modems with 0, 7, or 53 ms of RTS-to-CTS delay.**



*The V.35 SME...
One or two cables...
Presto!
Instant high-speed
connections between
sync hosts!*

If you really need your sync host computers to exchange data, but either they're too far apart or just running cable between them doesn't seem to work, a V.35 Sync Modem Eliminator (SME) might be just what the systems analyst ordered. It's not only simple and fast, it has several options designed to get even picky machines to start communicating.

The V.35 SME is truly a "little black box": Once you open it up, set a few internal controls, close it, and insert it into your system, it will do its job so transparently that you'll almost forget it's there. If one of your DTEs has an M/34 male V.35 connector, you can plug the V.35 SME right into it and run cable to the other device. If not, put the SME somewhere between them and run cables from both devices.

Because the V.35 SME gets its power directly from V.35 Pins C and H (the RTS and DTR signals)

on both of its ports, you don't have to bother with plugging the unit into AC power or fiddling with batteries. Even on this tiny amount of power, it can transmit data as far as 45.7 m (150 ft.) from either of its ports, for a maximum total distance of 91.4 m (300 ft.) between the attached DTEs.

What data rates are your hosts looking for? The V.35 SME supports all of these: 32, 48, 56, 64, 72, 112, 128, and 144 kbps. Notice that this list includes speeds perfect for emulating DDS, Switched-56, Clear Channel™,

and ISDN links. If you need to "fool" either host into thinking that it is attached to some kind of DCE, the V.35 SME can be set for an RTS-to-CTS delay of 0, 7, or 53 ms. You can also set it to have carrier follow RTS or keep carrier constantly ON.

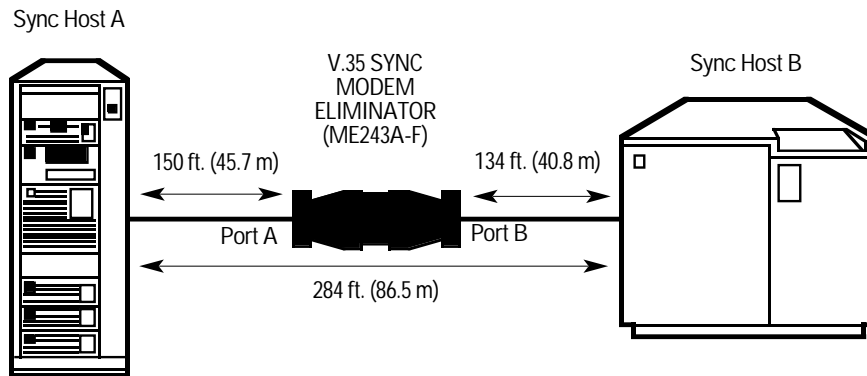
The V.35 SME can provide its own internal clock to both hosts, or it can use external clock from the host on Port A and pass it along as recovered clock to the host on Port B.

Typical Applications

Send transaction data from the fulfillment system's front-end processor down the hall to the billing system's midrange machine.

For real-world trials of your hot-off-the-press intranet application, connect your database mainframe to an ISDN NTU—either in the same room or a couple of floors below.

Establish communication between sync computers as far apart as 300 ft. (91.4 m)!



NOTE: System can use clock from V.35 SME or Host A, but not from Host B.

Specifications

Compliance: FCC Part 15 Class A, DOC Class/MDC classe A

Interface: Serial ITU-TSS V.35

Protocol: Synchronous

Clock Source: Either internal for both ports or external for Port A and recovered for Port B (user-selectable)

Flow Control: Transparent to software flow control; does not support hardware flow control, but emulates RTS-to-CTS delay of 0, 7, or 53 ms \pm 15% (user-selectable)

Operation: Point-to-point

Data Rate: 32, 48, 56, 64, 72, 112, 128, or 144 kbps (user-selectable)

Maximum Distance: 45.7 m (150 ft.) from either port to the attached DTE, for a total of 91.4 m (300 ft.) between DTEs

User Controls: (4) Internal: (1) Four-position DIP switch for data rate; (3) Jumpers for RTS/CTS delay, carrier control, and clock source

Connectors: (2) End-mounted M/34 ("34-pin M-block") female

Power: From the V.35 interface on both ports: 5 VDC, 6 mA drawn from each port's RTS and DTR signals (Pins C and H); maximum total consumption approximately 120 mW

MTBF: 144,600 hours

Maximum Altitude: 3048 m (10,000 ft.)

Temperature Tolerance: 0 to 50°C (32 to 122°F)

Humidity Tolerance: 5 to 95% noncondensing

Size: 2H x 5.1W x 7.6D cm (0.8"H x 2"W x 3"D)

Weight: 94 g (3.3 oz.)

The complete package

- The main unit
- A users' manual

Additional equipment you might need

- V.35 cable

Ordering Information

ITEM	CODE
V.35 Sync Modem Eliminator	ME243A-F
<i>OPTIONAL ACCESSORIES</i>	
V.35 Cable with M/34 Connectors:	
Male-to-Male, Custom Lengths	EYN450-MM
Male-to-Female, Custom Lengths	EYN450-MF