



Specifications:

Interface: V.35

Protocol: Synchronous or Asynchronous

Clock Source: Internal or External from either DTE (user-selectable)

Data Format: Synchronous: 8 data bits; Asynchronous: Transparent to data format

Flow Control: Transparent to software flow control: does not support hardware flow control, but, emulates RTS/CTS delay.

Operation: Point-to-Point

Data Rate: Any of 52 user-selectable data rates from 2.4 Kbps to 6.144 Mbps

Maximum Distance: From data or monitor port to attached device: 4000 ft. at data rates up to 100 Kbps. Above 100 Kbps, drops proportionally as data rate rises, down to 65 ft. at 6.144 Mbps

User Controls: (2) "Baud" thumbwheel switches for data rate: (1) "Delay" thumbwheel switch for RTS/CTS delay; and (1) recessed "LB" slide switch to start/stop bi-directional data

Internal Jumpers: (1) 8-position DIP switch for sync/async, clock source, RTS/CTS and RTS/DCD operation, and reclocking enable/disable; (1) Reclock-mode jumper.

Indicators: (5) Front-mounted LED's that show the state of SD/TD, RD, CTS, RTS, and DCD on data port J1

Connectors: (2) DB25 Female

Power: Input: 115VAC at 50 to 60 Hz, consumption 5 watts.

DIP Switch Settings (SW5):

Position 1 ON: J1; CTS forced High
 Position 1 OFF: On data port J1, CTS follows RTS after a delay. (user-selectable thru front -panel Delay switch)

Position 2 ON: J2; CTS forced High
 Position 2 OFF: On data port J2, CTS follows RTS after a delay. (user-selectable thru front-panel Delay Switch)

Position 3 ON: J1; DCD forced High
 Position 3 OFF: J1; DCD follows RTS with no delay

Position 4 ON: J2; DCD forced High
 Position 4 OFF: J2; DCD follows RTS with no delay

Position 5 ON: Data reclocking disabled (normal operation)
 Position 5 OFF: Data reclocking enabled. Only select this if your equipment inverts the clock polarity. If you select this, you also need to invert the Modem Eliminator's data-reclocking circuitry; do so by moving the internal Reclock Mode jumper (located behind one of the other internal DIP switches, SW3) from posts 1 and 2 (normal, default) to posts 2 and 3 (inverted).

Position 6: is reserved

Positions 7 and 8: Both OFF (default setting): Internal Clock
 Positions 7 and 8: 7(ON); 8(OFF); External Clock from the DTE on J1
 Positions 7 and 8: 7(OFF); 8(ON); External Clock from the DTE on J2
 Positions 7 and 8: Both ON; The unit operates **ASYNCHRONOUSLY**, as must both DTE's (data rate determined by DTE's)

Switch Setting	Data Rate	Switch Setting	Data Rate	Switch Setting	Data Rate
00	2.4 K	17	143.36 K	34	768 K
01	3.59 K	18	168 K	35	827.08 K
02	4.8 K	19	192 K	36	896 K
03	7.19 K	20	224 K	37	945.23 K
04	9.6 K	21	228.77 K	38	1.024 M
05	14.37 K	22	256 K	39	1.07520M
06	16.8 K	23	279.27 K	40	1.11709M
07	19.2 K	24	336 K	41	1.22880M
08	28 K	25	384 K	42	1.344 M
09	28.75 K	26	396.39 K	43	1.536 M
10	38.4 K	27	448 K	44	2.048 M
11	48 K	28	512 K	45	4.096 M
12	56 K	29	558.55 K	46	6.144 M
13	64 K	30	565.89 K	47	96 K
14	71.86 K	31	614.4 K	48	57.6 K
15	112 K	32	672 K	49	114.84 K
16	128 K	33	722.82 K	50	3.072 M

The Monitor Port:

The DB25 female connector on the front panel can be attached to a data-line monitor in order to keep tabs on the device connected to data port J2. On the ME111A model, this connector is proprietarily pinned to carry V.35 monitor outputs.

Pin	V.35 Signal
1	Shield
2	SD A
3	RD A
4	RTS
5	CTS
6	DSR
7	SGND
8	DCD(RLSD)
12	SCR B
13	SD B
14	SCT B
15	SCT A
16	RD B
17	SCR A
23	SCTE B
24	SCTE A