

Specifications:

Transmission Format: Synchronous

Transmission Mode: Full- or Half-Duplex

Timing: Internal Clock (user-selectable from front-panel switch): 48, 56, 64, 112, 128, 256, 384, 512, 768, 1024, 1544, and 2048 Kbps.
External Clock: Up to 2048 Kbps

RTS/CTS Delay: Internal Jumpers; 0, 6, or 51 ms.

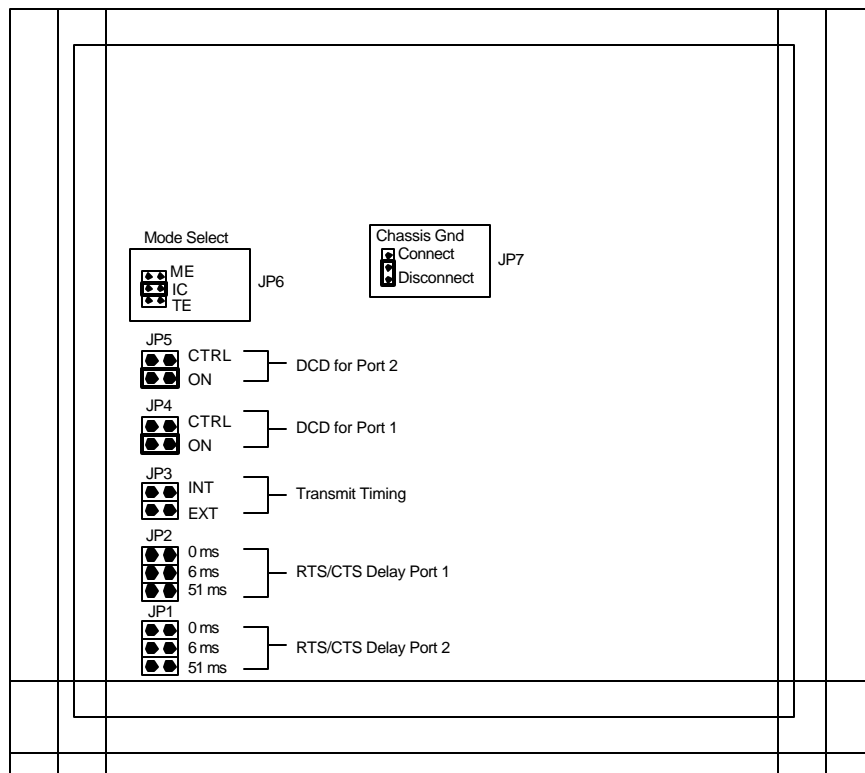
DCD: Internal Jumpers; Continuously ON or controlled by the RTS signal

Elastic Buffer Size: (2) buffers, 256 bits each.

Connectors: Determines the modules that are inserted.

Power: ME260A; 115VAC, 60 Hz, 5watts. ME260AE; 230VAC, 50 Hz, 5 watts

Maximum Distance: 330 ft.



Interface Modules:

- ME261C: Interface = RS-232; (1) DB25 female connector.
- ME262C: Interface = V.35; (1) M/34 Block female connector.
- ME263C: Interface = X.21; (1) DB15 female connector.
- ME265C: Interface = RS422/RS449; (1) DB37 female connector.
- ME266C: Interface = G.703; (1) DB15 female connector.
- ME267C: Interface = Coax; (1) Coax female connector.
- ME268C: Interface = T1; (1) DB15 female connector.

Jumper Settings:

- JP1: Selects the delay between the activation of the RTS line in connector J2 and the activation of the CTS line in the same connector.
- JP2: Selects the delay between the activation of the RTS line in connector J1 and the activation of the CTS line in the same connector.
- JP3: Selects the timing source in the ME mode:
INT: Modular Modem Eliminator internal oscillator. The data rate is determined by the RATE selector.
EXT: The transmit clock applied to connector J1. The data rate equals the clock rate.
- JP4: Carrier Detect: (ME mode ONLY)
ON: The DCD line in connector J2 is continuously on.
CTRL: The DCD line in connector J2 follows RTS
- JP5: Carrier Detect: (ME mode ONLY)
ON: The DCD line in connector J1 is continuously on.
CTRL: The DCD line in connector J1 follows RTS
- JP6: Selects the Modular Modem Eliminator operating mode:
ME = Modem Eliminator
IC = Interface Converter
TE = Elastic Buffer
- JP7: Connects or Disconnects signal ground to chassis ground.

Operating Modes:

Modem Eliminator Mode: The unit is used to connect two DTE's, thereby replacing two synchronous modems. The interface-conversion function of the unit allows connecting even DTE's with different interfaces, in addition to the modem-eliminator function. In this mode, the unit fully emulates the operation of two modems connected in a link (one for each DTE). This includes supplying clock signals and handshaking control signals. The data rate is derived from an internal oscillator, and is selected by means of the front-panel switch. Any standard rate in the range of 48 Kbps to 2048 Kbps can be selected. Both modules can also use External Timing: With External Timing, the unit accepts an external clock in the range of 1.2 Kbps to 2048 Kbps. This permits the transfer of system timing from one side to the other (clock locking). The maximum range that can be achieved depends on the interface type, cable type, and data rate, and can be up to 330 ft.

Interface-Converter Mode: In this mode, lets you connect a DTE device to a DCE device that has a different interface. A physical and electrical conversion between the DTE and DCE interfaces is performed. The data rate is determined by the equipment connected to the unit.

Elastic Buffer Mode: This mode is used to connect two independently clocked plesiosynchronous DCE's via FIFO buffers. By providing bi-directional buffering of data, the unit reduces loss of data that would otherwise occur because of the difference in clock rates. The two DCE's can have similar or different interfaces, and the data rate can be up to 2048 Kbps.

ME260A