GE Power Management Control System

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Technical Note #17

RS-232 Cables for Modem Support

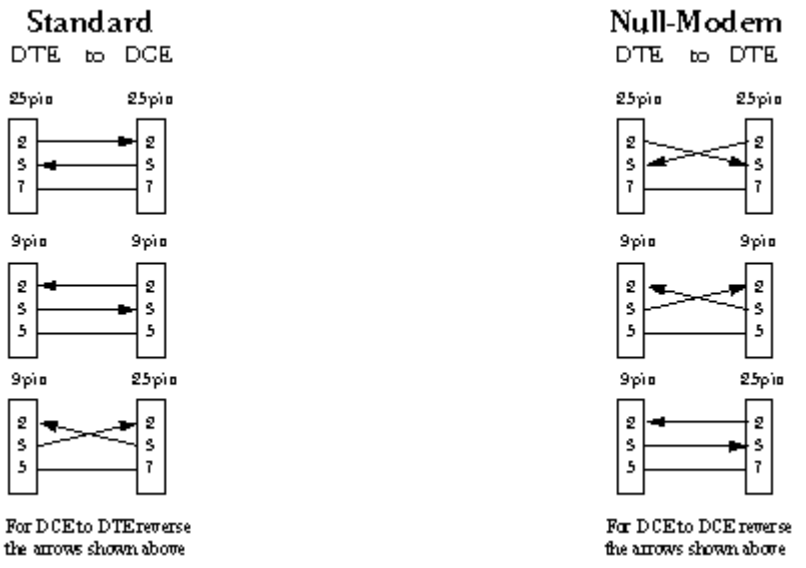
Subject: RS-232 Wiring for Modem support.

Applies To: Phone, RF, and Fiber Optic Modems

Typically, a standard straight through cable is used to connect a computer (DTE) to a modem (DCE) or converter (DCE) and a null-modem or crossover cable is used to connect a modem (DCE) to a converter (DCE).

Figure 1 illustrates the six possible cables for RS-232 connections. This does not take into account the available female or male options for each cable. The arrows represent the direction of data transfer. Each cable contains one transmit line, one receive line, and one ground line. The ground line does not have any arrowheads.

Fig 1: RS-232 Cables
DTE-Computer
DCE-Modem/Converter



Keywords

RS-232; Wiring; Cables; Modem

Related Notes

Application Note 14: Phone Modems

Application Note 15: Radio Frequency Modems

Application Note 16: Fiber Optic Modems

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