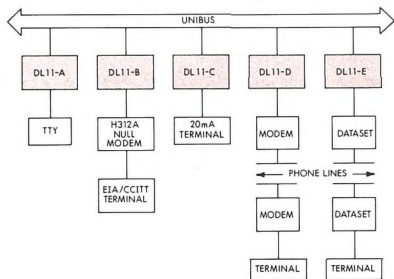


The DL11-W connects the PDP-11 UNIBUS with an asynchronous serial communications line. It is a low-cost, flexible unit which can be used with local, leased or dial-up lines. In addition it is a line frequency clock which can provide timed interrupts, allowing a program to measure passage of time.



FEATURES

Flexibility

- Contains a line frequency clock
- Character sizes of 5, 6, 7 or 8 data bits
- Even, odd or no parity
- Stop code lengths of 1, 1.5 or 2 bits
- Split transmit/receive speeds
- Leased line or dial-up modems
- Full or half duplex transmission

Speed

- Up to 9600 baud

DESCRIPTION

The DL11 is an interface between a single asynchronous serial communication channel and the PDP-11. It performs serial-to-parallel and parallel-to-serial conversion of serial start-stop data with a double character buffered MOS/LSI circuit called a UART (for Universal Asynchronous Receiver-Transmitter). This 40-pin dual-in-line package includes all of the circuitry necessary to double buffer characters in and out, serialize-deserialize data, provide selection of character length and stop code configuration, and present status information about the unit and each character.

With a DL11 interface, a PDP-11 computer can communicate with a local terminal such as a console teleprinter, with a remote terminal via data sets and private line or public switched telephone facilities, or with another local or remote PDP-11 computer.

DL11 systems provide wide flexibility. The user can specify data rate from a selection of 13 standard rates between 40 and 9600 Baud, or he can order a non-standard rate device. With most of the standard rates, the interface can offer split-speed operation for faster, more efficient handling of computer output.

For additional flexibility, character size is strap selectable for 5, 6, 7, or 8-level codes. Also strap selectable are parity checking (even, odd, or none) and stop code length (1, 1.5, or 2 bits).

