

RS-232/422 In-Line Buffer



Up to 32Mb of Data Buffer

Features

- Independent Input and Output Serial Ports
- Port may be either RS-232 or RS-422 (optional)
- Transient Protection on both Serial Ports
- Software or Hardware Handshaking
- Uses Robust version of Xon/Xoff Handshaking
- Select DTR/DSR or RTS/CTS
- Switch Select either port as DCE or DTE
- LED feedback indicators
- Generates its own output Test Data Stream
- Loopback Self Test feature
- Watchdog Timer Reset Circuit
- Optional String Translation includes Setup Software

Description

The A1600 is an RS-232 Serial Data Buffer operating with completely independent input and output ports.

Optionally it is available with RS-422 on either or both ports, making it an extremely versatile serial data buffer.

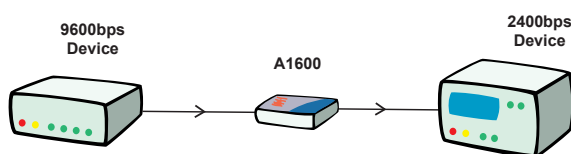
The RS-232 configuration options include the selection of Software handshaking using Robust Xon/Xoff or Hardware handshaking using either the DTR/DSR or RTS/CTS handshake pairs.

Each RS-232 port is switch selectable to either DCE or DTE to simplify cable usage and may be independently configured at speeds ranging from 300 to 115,200bps using 7 or 8 data bits and None, Odd or Even Parity.

Data buffer is available as 4Mb, 8Mb, 16Mb or 32Mb.

Typical Application

A fast serial device outputs its data at 9600bps to a slower device operating at only 2400bps. The A1600 connects the incompatible devices and buffers the data from the faster device and delivers it to the slower one at its own pace.



ASeries A1600

String Translation Feature (optional)

String Translation allows you to scan incoming data, identify certain fields and change them automatically.

A1600 Setup Software is provided which allows you to define the strings you wish to find and also define any changes you wish to make to them.

All this is done on your computer using A1600 Setup Software. A file is created and simply transferred to the A1600 where it remains stored permanently for normal operation. If your requirements change then it is a simple matter of modifying the file and updating the A1600 with the new information.

Specifications - ASeries A1600

- RS-232 Port: RS-232 (CCITT V.24)
DB-25 female connector
Switch selectable DTE or DCE
300 to 115,200 bits per second
7/8 Data Bits, 1/2 Stop Bits
None, Odd or Even Parity
Hardware & Software Handshaking
- RS-422 Port: EIA-530 pin-out configured as DTE
(optional) DB-25 female connector
Uses DTR/DSR handshake pairs

- LED Indicators: Power On (Yellow)
Receive Data (Green)
Transmit Data (Green)
Data Error (Red)
- Power Supply: 9V (500mA) DC Power Adaptor
Dimensions: 26mm x 99mm x 203mm
Weight: 595 grams

All Specifications subject to change without notice



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