

Data Logger with MEGA Buffer

Battery backed for Data Logging and PABX Applications



The A1400DL is housed in a quality metal case and is designed for ease of installation and high performance.

Description

The A1400DL is an RS-232 Serial Input / Serial Output device with battery backed data buffering. It may be used in simple Data Logging applications where a single input and single output are required.

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

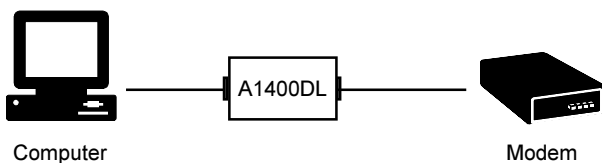
The input port is switch selectable to either DCE or DTE to simplify cable usage and may be independently configured at speeds ranging from 300 to 115,200bps using 7 or 8 data bits and None, Odd or Even Parity.

The Output port is set to DCE only, this enables any output collecting device to be powered off or on while data logging goes on uninterrupted.

The data buffer uses standard 72-pin No Parity SIMMs of 4Mb, 8Mb, 16Mb or 32Mb in size. The A1600M will automatically detect and use the SIMM which is installed and can be a maximum of 32Mb.

Typical Application

A telephone PABX unit outputs its call accounting data to a remote modem which is attached to the A1400DL. The A1400DL may then be interrogated at any time and asked to send the data which has been collected in its buffer.



Features

- Use Standard 72pin SIMMs as Data Buffer
- Independent Input and Output Serial Ports
- Transient Protection on both Serial Ports
- Configure Software or Hardware Handshaking
- Uses Robust Xon/Xoff
- 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
- Battery selector switch on rear panel
- Optional RS-422 Port Input

Application Notes

The A1400DL is suitable for remote or unattended data logging for any RS-323/422 serial device. It can operate for up to 5 hours on its internal battery and during normal operation the battery is float charged from the mains power supply.

The A1400DL utilizes a combination of hardware and software handshaking on the output port to eliminate the accidental loss of data when transferring to a host such as a PC or Modem.

It is simple enough to be implemented on any system and yet reliable enough for the most demanding situation.

