

Data Logger for Serial Applications



Battery backed for PBX and General Data Logging

Features

- Independent Input & Output Serial Ports
- Flexible RS-232 ports with Robust Xon/Xoff
- Transient Protection provided on both ports
- Configure Software or Hardware Handshaking
- Select DTR/DSR or RTS/CTS
- Switch select input port as DCE or DTE
- Use Standard 72pin SIMMs as Data Buffer
- LED feedback indicators
- Generates its own output Test Data Stream
- Loopback Self Test feature
- Watchdog Timer Reset Circuit
- Battery powered operation for more than 12 hours
- Optional integrated Modem available

Description

The ASeries A1400DL*plus* is a fully electronic data RS-232 Serial storage buffer or data logger. It provides reliable storage of your valuable data, even during a power failure. It has independent RS-232 Serial Input and Output ports.

A major feature of this product is its ability to operate without external power for up to 12 hours. This makes it invaluable for a wide variety of Data Logging applications where integrity of data is essential.

Flexible and reliable RS-232 Serial ports will cater for the majority of serial connections in all environments.

The output port is set to DCE only, enabling any output collecting device to be powered off or on while data logging goes on interrupted.

The data storage buffer can be supplied in sizes ranging from 1Mb, 4Mb, 8Mb, 16Mb up to 32Mb.

These features combined with Alfatron's acknowledged and proven attention to quality manufacture make this the most reliable and affordable RS-232 Serial Data Collection Buffer on the market today.

ASeries A1400DL*plus* (with optional modem)



Reliable Operation

The A1400DL*plus* is currently the only data logger in its category to provide full data logging operation without the need for an external power source. Its internal battery allows the unit to perform its normal operations for periods up to 12 hours.

It contains an intelligent battery charging circuit which keeps the internal battery at the perfect float level which guarantees extended battery life.

Convenient Modem Option

The A1400DL*plus* may be optionally supplied with an external modem (shown above). The power for the modem is supplied directly from the rear of the A1400DL*plus*.

This combination requires only one power outlet for operation, very convenient in those crowded 19" racks.

Flexible RS-232 Ports

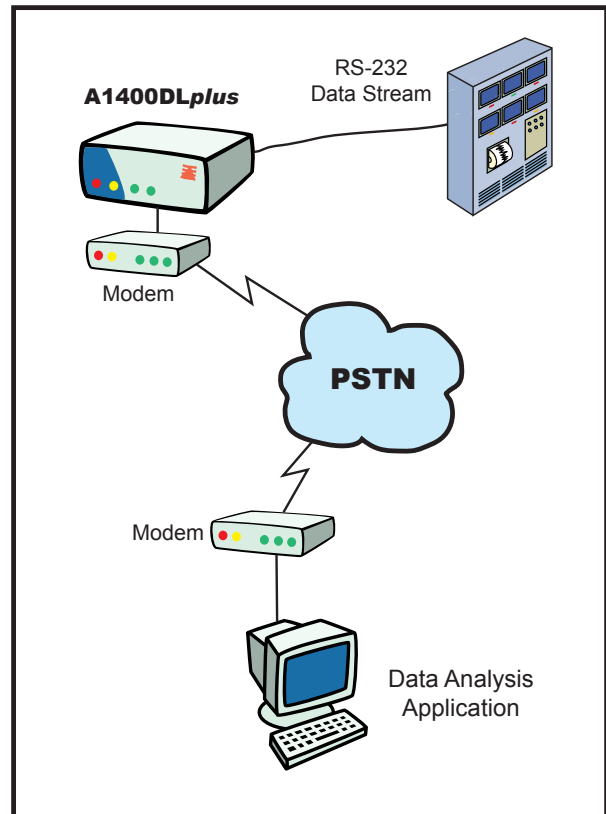
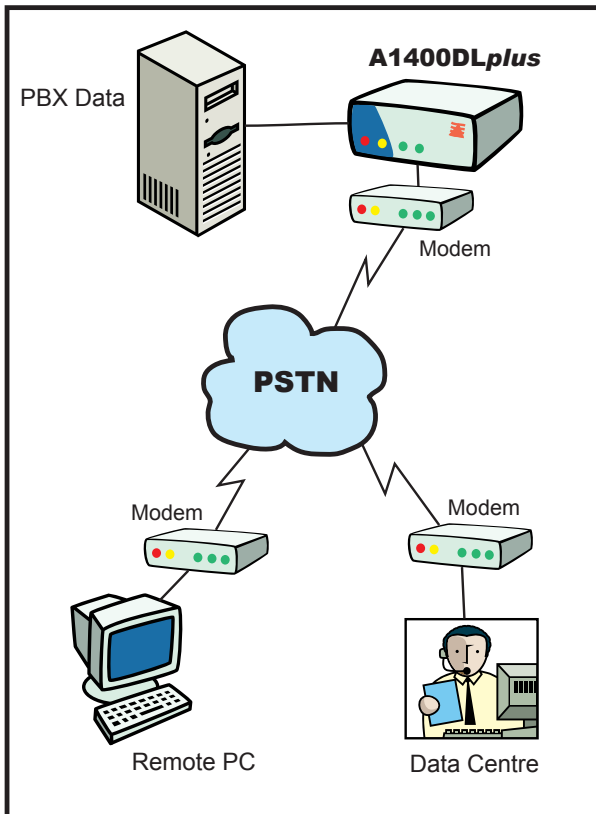
The RS-232 port configuration options include the selection of Software Handshaking using Robust Xon/Xoff or Hardware Handshaking using either the DSR/DTR or RTS/CTS handshake pairs.

The input port is switch selectable to either DCE or DTE to simplify cable usage and may be independently configured at speeds ranging from 600 to 115,200bps using 7 or 8 data bits and None, Odd or Even Parity.



Alfatron Pty Ltd ACN 005 410 819
PO Box 4161
Unit 9, 36 New St.
Ringwood VIC 3134 AUSTRALIA
Tel: +61-3-9876 9011 Fax: +61-3-9876 9044
Email: sales@alfatron.com.au Web Site: www.alfatron.com.au





PBX Call Accounting Data

The A1400DLplus has a proven record in the collection of SMDR/CDR data from a wide variety of PBX Systems.

Reliability in the field has been one of the outstanding traits of the classic Alfatron A1400 Series .

An optional A1400DLplus/Modem package is available where the modem is powered directly from the A1400DLplus. Simplicity of installation and operation is the key to this successful product.

Specifications - A Series A1400DLplus

Serial Ports

Specification: RS-232 Serial (CCITT V.24)
 Physical: DB25 Female Connector
 Switch selectable DTE / DCE
 Jumper select DTR/DSR or CTS/RTS

DIP Switch Select:

- 1200, 2400, 4800, 9600, 19,200, 38,400, 56,800 & 115,200bps baud rate
- 7 or 8 data bits
- None, Odd or Even Parity
- Hardware Handshaking
- Software H'shaking (Robust Xon/Xoff)

Activity Indicators

Front Panel LEDs: Power (Yellow)
 Error (Red)
 Serial Data Input (Green)
 Serial Data Output (Green)

Generic Data Collection

While it has exceptional credentials in the PBX data collection area, the A1400DLplus can easily be used as a general purpose data collection unit.

The flexibility of the RS-232 Serial ports make the A1400DLplus suited to a wide variety of applications in both the commercial and industrial areas.

Added to this Alfatron is able to provide specially tailored units with firmware to meet individual customer needs.

Power Supply

Power Pack: Dual Power Supply 16V DC (750mA) and 9V (500mA)DC
 PCB is fuse & reverse polarity protected
 Plug jack: 4-pin Mini Power DIN

Battery: Rechargeable Sealed Lead-Acid 12V, 2.2Ah/20HR
 Intelligent battery charging circuit
 12 hour unassisted operation

Other

Dimensions: 200mm x 200mm x 50mm

Weight: 1850 grams



N42