CAS2500-01-UL - ModbusRTU Data Client

- *Collect and log data from Modbus Enabled devices.*
- *View current data using the onboard web server.*
- *Serves data to other applications using XML or HTTP*
- *Upload log files for later review.*
- *Simple and easy to use and configure.*

Description

Connects to Modbus RTU slaves to read data. One RS485 trunk with a max of 32 devices is supported. The data and transactions are logged. The log files are available and can be transferred to other computers. Current data can be monitored by remote systems running applications that can issue HTTP or SOAP/XML GET requests – such applications can be easily developed by end users. Of course, this data is available using an Internet Browser such as Internet Explorer or Google Chrome. One RS232 with a max of 1 slave device is supported. Connection parameters, device parameters and data parameters are configurable.

Logging

Log records of each Modbus read and response transactions are maintained in the file system. Log record with time stamps of data returned by Modbus devices are maintained in the file system. Log files can be uploaded to a remote PC using HTTP. When file space runs low, the data client overwrites older files.

Data Serving

The current value of any/all data objects reads from the Modbus Devices can be monitored remotely using HTTP or XML by using HTTP GET requests or XML/SOAP requests.

Modbus Serial

Standard baud rates up to 38400k are supported.
Hardware handshaking and XON/OFF not supported.
Functions codes supported (are read only – ask about write capability – this data sheet may be old)

- 01 Read Coil Status
- 02 Read Input Status
- 03 Read Holding Registers
- 04 Read Input Registers

Device Specifications

Environmental Parameters
Operating Temperature: 0 to 70 C
Humidity: 5% to 95% (non-condensing)
Dimensions
4.2" x 3.25" x 1"
Power Supply
Power: 5-24VDC
Power Adapter: 60W, VAC 100~240V adapter
Compliance
CE, FCC UL and ULc approved
RoHS, Lead-Free
Interfaces
1xRS485 Port
1xRS232 (Debug Port)
1xMicros SD Card
1x 10/100/1000 RJ45 Network
Memory/Operation
2MBytes flash memory, 8MBytes of SDRAM
LEDs: Link, Speed/Data, Power
Case
Aluminum with textured paint

Connection Configurations