

CAS2500-01 - ModbusRTU Data Client

- *Collect and log data from Modbus Enabled devices.*
- *View Log and 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/XMP 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. These files are (zipped) human readable data.

Log files can be uploaded to a remote PC using HTTP.

The system can be configured to write copies of the log records to files on a USB memory stick connected to one of the USB ports. (USB sticks have limits on re-use).

When file space runs low, the data client overwrites older files.

Optional hard disk improves performance and capacity significantly.

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

Embedded Fanless System Onboard Intel Atom 1.6Ghz CPU

Environmental Parameters

Temperature, ambient operating: -10°~55°C

Humidity (RH), ambient operating: 10~95%, non-condensing

Dimensions

144D x 190W x 36H mm

Power Supply

Input: 12V DC (ATX mode)

Power Adapter: 60W, VAC 100~240V adapter

Compliance

CE, FCC, RoHS

Interfaces

1xRS485 Port

1xRS232

1xCompact Flash

2x 10/100/1000 Realtek Network

Optional 2.5: SATA Hard Drive

Construction

Aluminum extrusion

CAS reserves the right to change the product specifications without notice. The specifications of ruggedized Mini PC's is always changing.

Connection Configurations

