FieldTalk™ diagslave

Linux Edition Read Me Notes

Revision 3.2, 2019-04-01

This *Read Me* file contains last-minute product information for the *FieldTalk™* diagslave utility.

diagslave is a command line based Modbus slave simulator and test utility.

Files part of the package

`README.txt`, `README.pdf`
    These Read Me notes.

`LICENSE-FREE.txt`, `LICENSE-FREE.pdf`
    License containing the Terms & Conditions of use for this free software.

`linux_arm-eabihf/modpoll`
    Linux ARM binary for ARM boards like Raspberry Pi and BeagleBoard

`linux_i386/modpoll`
    Linux x86 binary for 32-bit Intel x86 architectures

`linux_x86-64/modpoll`
    Linux x86_64 binary for 64-bit Intel x86 architectures

Usage

```
Usage: diagslave [OPTIONS] [SERIALPORT]
Arguments:
serialport    Serial port when using Modbus ASCII or Modbus RTU protocol
              COM1, COM2 ...              on Windows
              /dev/ttyS0, /dev/ttyS1 ...  on Linux
General options:
-m ascii      Modbus ASCII protocol
-m rtu        Modbus RTU protocol (default)
-m tcp        MODBUS/TCP protocol
-m udp        MODBUS UDP
-m enc        Encapsulated Modbus RTU over TCP
-o #          Master activity time-out in seconds (1.0 - 100, 3 s is default)
-a #          Slave address (1-255 for RTU/ASCII, 0-255 for TCP)
Options for MODBUS/TCP:
-p #          TCP port number (502 is default)
-c #          Connection time-out in seconds (1.0 - 3600, 60 s is default)
Options for Modbus ASCII and Modbus RTU:
-b #          Baudrate (e.g. 9600, 19200, ...) (19200 is default)
-d #          Databits (7 or 8 for ASCII protocol, 8 for RTU)
-s #          Stopbits (1 or 2, 1 is default)
-p none       No parity
-p even       Even parity (default)
-p odd        Odd parity
-4 #          RS-485 mode, RTS on while transmitting and another # ms after
```

```
Options for Modbus RTU:
-f #          Tolerance for inter-frame gap detection in ms (0-20)
```

Release history

Version 3.2 (2019-04-01)

- Added -f # option to set tolerance for inter-frame gap detection

Version 3.1 (2018-11-28)

- Modbus UDP protocol added (-m udp)

Version 3.0 (2018-07-09)

- RTU over TCP protocol added, which is also known as encapsulated RTU (-m enc)

Version 2.13 (2013-05-16)

- Bug fix, slave ID of 255 for Modbus/TCP did not work

Version 2.12 (2012-07-19)

- RTU/ASCII: Added RS-485 mode for Win32, QNX and Linux platforms.
- COMn syntax can now also be used for COM port number >= 10

Version 2.11 (2011-03-05)

- Protocol is now auto-detected as RTU or TCP depending on value of first parameter

Version 2.10 (2010-03-31)

- Added connection time-out, changed -t to -o for activity time-out.

Version 2.9 (2009-11-16)

- Default baudrate is now 19200 as per Modbus standard.

Version 2.8 (2009-10-26)

- Using the -d and -s command line parameters returned an error message in earlier releases.

Version 2.7 (2009-10-20)

- First release as standalone application.

Copyright (c) 2002-2019 *proconX* Pty Ltd. All rights reserved.

Please refer to file LICENSE-FREE for license and distribution terms.