modbus\_rtu\_get\_serial\_mode(3)

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NAME

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modbus\_rtu\_get\_serial\_mode - get the current serial mode

SYNOPSIS

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\*int modbus\_rtu\_get\_serial\_mode(modbus\_t \*'ctx');\*

DESCRIPTION

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The \*modbus\_rtu\_get\_serial\_mode()\* function shall return the serial mode

currently used by the libmodbus context:

\*MODBUS\_RTU\_RS232\*:: the serial line is set for RS232 communication. RS-232

(Recommended Standard 232) is the traditional name for a series of standards

for serial binary single-ended data and control signals connecting between a

DTE (Data Terminal Equipment) and a DCE (Data Circuit-terminating

Equipment). It is commonly used in computer serial ports

\*MODBUS\_RTU\_RS485\*:: the serial line is set for RS485 communication. EIA-485,

also known as TIA/EIA-485 or RS-485, is a standard defining the electrical

characteristics of drivers and receivers for use in balanced digital multipoint

systems. This standard is widely used for communications in industrial

automation because it can be used effectively over long distances and in

electrically noisy environments.

This function is only available on Linux kernels 2.6.28 onwards and can only be

used with a context using a RTU backend.

RETURN VALUE

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The function shall return `MODBUS\_RTU\_RS232` or `MODBUS\_RTU\_RS485` if

successful. Otherwise it shall return -1 and set errno to one of the values

defined below.

ERRORS

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\*EINVAL\*::

The current libmodbus backend is not RTU.

AUTHORS

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