

# Serial and Modbus Function Reference

uPHP functions related to the serial port and Modbus are shown below:

Click on the function name for further details:

FUNCTION NAME	PARAMETER(S)	RETURN	DESCRIPTION
<a href="#">f485open</a>	<a href="#">int</a> baud, <a href="#">int</a> parity	<a href="#">int</a> handle or 0	Open the RS-485 port at the specified <a href="#">baud</a> rate and <a href="#">parity</a>
<a href="#">fclose</a>	<a href="#">int</a> handle		Close a file, stream or socket
<a href="#">feof</a>	<a href="#">int</a> handle	<a href="#">int</a> 1 or 0	Test if no more data is available in a file, stream or socket
<a href="#">fgets</a>	<a href="#">int</a> handle, <a href="#">int</a> size	<a href="#">string</a> or <a href="#">int</a> -1	Return a single line from a file, stream or socket, with optional <a href="#">size</a> limit
<a href="#">filesize</a>	<a href="#">string</a> filename or <a href="#">int</a> handle	<a href="#">int</a> bytes	Return the size of a file, or the number of unread bytes in a stream or socket
<a href="#">fread</a>	<a href="#">int</a> handle, <a href="#">int</a> bytes	<a href="#">string</a> or <a href="#">int</a> 0	Read <a href="#">bytes</a> from a file, stream or socket
<a href="#">fseropen</a>	<a href="#">int</a> baud, <a href="#">int</a> blocking, <a href="#">int</a> invert, <a href="#">int</a> parity	<a href="#">int</a> handle or 0	Open the serial port at the specified <a href="#">baud</a> rate with optional parameters

[fwrite](#)[|](#)[int](#) handle, [mixed](#) data, [int](#) length[|](#)[int](#) bytes written or -1[|](#)Write [data](#) to a file, stream or socket

<a href="#">mb_delete_device</a>	<a href="#">int</a> id	<a href="#">int</a> 1=OK	Delete a device from the list of active devices
<a href="#">mb_get_dev_by_id</a>	<a href="#">int</a> id	<a href="#">array</a>	Return modbus device details by <a href="#">id</a>
<a href="#">mb_get_dev_by_index</a>	<a href="#">int</a> index	<a href="#">array</a>	Return modbus device details by <a href="#">index</a>
<a href="#">mb_get_dev_by_name</a>	<a href="#">string</a> name	<a href="#">array</a>	Return modbus device details by <a href="#">name</a>
<a href="#">mb_get_dev_info</a>	<a href="#">int</a> type	<a href="#">array</a>	Return modbus device details by <a href="#">type</a>
<a href="#">mb_get_role_array</a>		<a href="#">array</a>	Return an <a href="#">array</a> of all roles and their values
<a href="#">mb_get_status_by_role</a>	<a href="#">int</a> role	<a href="#">int</a> 1=OK	Return status of the device attached to the <a href="#">role</a>
<a href="#">mb_get_val_by_role</a>	<a href="#">int</a> role	<a href="#">number</a>	Return value of the <a href="#">role</a>
<a href="#">mb_num_devices</a>		<a href="#">int</a>	Return number of devices on the modbus
<a href="#">mb_queue_command</a>	<a href="#">mixed</a> values ...	<a href="#">array</a> of numbers	Queue a sequence of characters to the RS-485 bus and get but ignore the reply
<a href="#">mb_scan_complete</a>		<a href="#">int</a> 1=complete, 0=ongoing	Check to see if a modbus scan has completed
<a href="#">mb_scan_percent</a>		<a href="#">number</a> percent completed	Return scan percentage completed
<a href="#">mb_send_command</a>	<a href="#">mixed</a> values ...	<a href="#">array</a> of numbers	Send a sequence of characters to the RS-485 bus and get a reply
<a href="#">mb_set_dev_var</a>	<a href="#">string</a> name or <a href="#">int</a> id, <a href="#">string</a> variable, <a href="#">mixed</a> value	<a href="#">int</a> 1=OK	Set a <a href="#">variable</a> on a modbus device

<a href="#">mb_set_val_by_role</a>	<a href="#">int role</a> , <a href="#">number value</a>	<a href="#">int 1=OK</a>	Set a <a href="#">role value</a> on a modbus device
<a href="#">mb_start_scan</a>	<a href="#">int start</a> , <a href="#">int end</a>		Initiate an automatic scan of the modbus

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