

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 | | |
|---------------------------------------|---|--|---|---|--|
| f485open | int baud , int parity | int handle or 0 | Open the RS-485 port at the specified baud rate and parity | | |
| fclose | int handle | | Close a file, stream or socket | | |
| feof | int handle | int 1 or 0 | Test if no more data is available in a file, stream or socket | | |
| fgets | int handle , int size | string or int -1 | Return a single line from a file, stream or socket, with optional size limit | | |
| filesize | string filename or int handle | int bytes | Return the size of a file, or the number of unread bytes in a stream or socket | | |
| fread | int handle , int bytes | string or int 0 | Read bytes from a file, stream or socket | | |
| fseropen | int baud , int blocking , int invert , int parity | int handle or 0 | Open the serial port at the specified baud rate with optional parameters | | |
| fsockopen | string host , int port , int timeout | int handle or 0 | Open an internet socket connection with optional [[[.functions:fwrite]]] int handle , mixed data , int length | int bytes written or -1 | Write data to a file, stream or socket |
| mb_delete_device | int id | int 1=OK | Delete a device from the list of active devices | | |
| mb_get_dev_by_id | int id | array | Return modbus device details by id | | |
| mb_get_dev_by_index | int index | array | Return modbus device details by index | | |
| mb_get_dev_by_name | string name | array | Return modbus device details by name | | |
| mb_get_dev_info | int type | array | Return modbus device details by type | | |
| mb_get_role_array | | array | Return an array of all roles and their values | | |
| mb_get_status_by_role | int role | int 1=OK | Return status of the device attached to the role | | |
| mb_get_val_by_role | int role | number | Return value of the role | | |
| mb_num_devices | | int | Return number of devices on the modbus | | |

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|------------------------------------|---|---|---|--|--|
| mb_queue_command | mixed values ... | array of numbers | Queue a sequence of characters to the RS-485 bus and get but ignore the reply | | |
| mb_scan_complete | | int 1=complete, 0=ongoing | Check to see if a modbus scan has completed | | |
| mb_scan_percent | | number percent completed | Return scan percentage completed | | |
| mb_send_command | mixed values ... | array of numbers | Send a sequence of characters to the RS-485 bus and get a reply | | |
| mb_set_dev_var | string name or int id , string variable , mixed value | int 1=OK | Set a variable on a modbus device | | |
| mb_set_val_by_role | int role , number value | int 1=OK | Set a role value on a modbus device | | |
| mb_start_scan | int start , int end | | Initiate an automatic scan of the modbus | | |

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