

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
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
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

FUNCTION NAME	PARAMETER(S)	RETURN	DESCRIPTION
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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