

# ChangeLog - ABC3000

## Table of Contents

ABC3000 - 1.03.02 .....	1
ABC3000 - 1.02.01 .....	1
ABC3000 - 1.01.01 .....	2
ABC3000 - 1.00.03 .....	2
ABC3000 - 1.00.02 .....	2
ABC3000 - 1.00.01 .....	2

## ABC3000 - 1.03.02

Support hardware with either Broadcom and Texas PHY

Category	Description	Comment
<b>Bug fix</b>	Possible NULL pointer access in timer handling	Increased stability under extreme interrupt load
<b>Bug fix</b>	ACD state could be stuck in conflict even after IP is recovered	Fixed bug that could keep the Ethernet connection in conflicted state after Automatic Conflict Detection (checking if IP-address is already taken) was resolved
<b>Bug fix</b>	Navigation bar and mobile mode	Navigation bar in web-gui is now automatically hidden on navigation in mobile mode
<b>Improvement</b>	Let CPU sleep during NULL tasks	Reduces the power consumption of the product

## ABC3000 - 1.02.01

Category	Description	Comment
<b>Bug fix</b>	Full-duplex RS232 communication was not working in some HDL-releases	Full-duplex for RS232 is now working in all HDL-releases
<b>Bug fix</b>	RS485 driver remains active up to 1 character after end of frame	RS485 driver remains active up to 1 character after end of frame, causing collision if a modbus slave device responds quicker than the specified 3.5 characters delay required by the modbus specification
<b>Bug fix</b>	Hostname change require powercycle on cfg port with SHICP	The Hostname settings were not applied correctly when modified using HMS Ipconfig
<b>Bug fix</b>	DNS1 and DNS2 address was always 0.0.0.0 after power cycle	
<b>Bug fix</b>	Disabled timeout = 0 was not allowed during import	Allows the user to import a configuration with timeout = 0 without issues
<b>New feature</b>	Disabled timeout = 0 (checkbox in gui)	Allows the user to disable timeout using a checkbox, leading to set the node always online
<b>New feature</b>	Process data monitor	Allows the user to monitor the traffic between the serial and slave network in both directions including byte swap / endian conversion

## ABC3000 - 1.01.01

Support hardware without unused security chip

## ABC3000 - 1.00.03

Category	Description	Comment
Bug fix	Incorrect maximum size for PROFIBUS	Corrected size for PROFIBUS to 244 bytes

## ABC3000 - 1.00.02

Category	Description	Comment
Bug fix	Incorrect gateway configuration version handling fixed	

## ABC3000 - 1.00.01

Modbus RTU Master - PROFIBUS - Full Anybus Communicator replacement

Category	Description	Comment
Bug fix	Security LED did not operate correctly after startup	Fixed an issue causing the security LED to indicate the wrong state
Bug fix	Serial data monitor now works on Firefox	This enables serial log functionality with the Firefox web browser.
Bug fix	Fixed error when duplicating transactions that cannot be fully mapped	
Bug fix	The nodes in the "Nodes & commands" list and in the home page status overview are sorted by their addresses	
Bug fix	The serial log rows are colored to indicate direction	
Bug fix	Various web bug fixes	Various bug fixes in the user interface
Bug fix	Turnaround delay could not be set to 0	Turnaround delay could not be set to 0 (disabled), it is now possible
Improvement	Support hardware without unused security chip	
Improvement	Improve firmware update timeout error	Improved the error message when updating firmware
Improvement	Show the size to/from the serial network for each node	Allows the user to see the configured size on each node on the Nodes and transaction page with the total number of bytes to and from the serial network
New feature	Always online with only produce transactions	A node is always in state online if the node only has one or more produce transactions
New feature	Add support for 7 data bits	Allows the user to use 7 data bits serial transmission
New feature	Unlocked article ABC3090 support added	Allows the user to use SER-Ethernet/IP, SER-PROFINET, SER-Modbus TCP Firmware i ABC3090
New feature	General data area	Allows the user to store data in a general data area without mapping to slave network for, ex. Trigger configurations etc.
New feature	Custom request and response transaction support	Allows the user to create custom request and response transactions

<b>New feature</b>	Custom produce and consume transaction support	Allows the user to create custom produce and consume transactions
<b>New feature</b>	Changed minimum update time for serial transactions to 3 ms	Allows the user to set minimum update time for serial transactions to 3 ms instead of 10ms
<b>New feature</b>	Configurable byte swap / endian conversion	Allows the user to use different byte orders on serial network and the slave network
<b>New feature</b>	Standard Modbus RTU, RS232/RS485 support	Allows the user to use the gateway as a Modbus RTU Client over RS232 and RS485
<b>New feature</b>	Serial data monitor	Allows the user to monitor the serial traffic on RS232/RS485
<b>New feature</b>	Broadcast node	Allows the user to configure node 0 as a broadcast node
<b>New feature</b>	Data exchange control	Allows the user to enable/disable serial nodes using a register from the slave network
<b>New feature</b>	Acknowledge and negative acknowledge	Allows the user to map a positive feedback acknowledge to a value and a separate negative acknowledge feedback to a value
<b>New feature</b>	Update mode "Trigger"	Allows the user to use data as trigger to execute transactions
<b>New feature</b>	Frame objects available in the I/O Map	The user can see different frame objects in the I/O Map
<b>New feature</b>	Update mode "Cyclic"	Allows the user to set up a transaction to be executed cyclically
<b>New feature</b>	Added ADD and XOR checksums	Allows the user to use ADD and XOR checksums and one's and two's complement on all checksums types
<b>New feature</b>	Inter-telegram and inter-character delay shall be possible to set as advanced options	Allows the user to configure delay between both characters and telegrams in serial traffic
<b>New feature</b>	Live list functionality added to serial interface	Allows the user to read a register on the slave interface with individual serial node status
<b>New feature</b>	Update mode "Single shot"	Allows the user to set up a transaction to be executed once after gateway start
<b>New feature</b>	Brand label	Enables brand label setups with customized identities and look and feel for customers on customer specific order codes
<b>New feature</b>	Import / Export node template	Allows the user to save a node template to a file and read / add a node from a file
<b>New feature</b>	Import / Export transaction template	Allows the user to save a transaction template to a file and read / add a transaction from a file
<b>New feature</b>	Import a Anybus Communicator Classic configuration	Allows the user to import the serial configuration from an Anybus Communicator Classic configuration file
<b>New feature</b>	Import of Anybus Communicator Classic RS422 configurations	Import of Anybus Communicator Classic RS422 configurations will be allowed but converted to RS485
<b>New feature</b>	No cable connected indication	Indicate No link on home view when link is lost
<b>New feature</b>	Offline option on serial transaction	Allows the user to set offline options on a transaction, continue or pause
<b>New feature</b>	Offline options (clear/freeze)	Allows the user to set offline options (clear/freeze) to the transactions