ChangeLog - ABC4018

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Added support for PROFIBUS Legacy mode and Modbus TCP Legacy mode

Category	Description	Comment
Bug fix	Acyclic HDL buffers are used after they are acknowledged	The acyclic HDL buffers are now released first after callback functions to the application have been performed. Before the fix the buffers were acknowledged before the call which could result in collisions.
Bug fix	Incorrect configuration of LWIP IP fragmentation	Fixed problem with IP fragmentation of packets larger than 1280 bytes. Now up to 2560 byte-packets can be handled.
Bug fix	Incorrect bit mask definitions for HMS Switch Px_Cfg registers	Updated bit masks for the switch Px_CFG registers according to version 9.00.01 of the HMS Switch HDL component.
Bug fix	Old address is defended after DHCP has been enabled	After DHCP was enabled the device would still defend its old address until an address was assigned by a DHCP server.
Bug fix	Fixed bug that made PROFIBUS devices to respond with "No resources" during very high load.	Increased stability
Bug fix	Detailed swap config is no longer duplicated when importing a configuration file several times.	
Major bug	All communication stops with error service RR.	Fixed an issue that could cause software resources to get lost during high CPU load and cause the PROFIBUS devices to respond with "No resources" (RR) to some network requests.
New feature	Added support for user comment.	The user can add text in a text field in the top right corner.
New Feature	Modbus TCP legacy mode	Added support Modbus TCP Anybus Addressing mode from ABX Classic
New Feature	Add callback function for project specific MAC initialization.	Added callback for project specific MAC initialization.

New Feature	Add support for controlling the auto negotiation abilities of the switch ports.	The autonegotiation abilities can now be changed for products with gbit support.
New Feature	Modbus TCP legacy mode	Added support Modbus TCP Anybus Addressing mode from ABX Classic
New Feature	PROFIBUS legacy mode	Added support for ABX classic GSD files as 1:1 replacement
New Feature	Upgrade to Angular 15	Updated to use Angular version 15

ABC4018 - 1.00.01

Initial release of Modbus TCP server - PROFIBUS DP (slave)

Category	Description	Comment
Bug fix	Reception of invalid formatted LLDP frames could lead to a crash.	Increased stability
Bug fix	Increased stability under extreme interrupt load.	Increased stability
Bug fix	ACD state could be stuck in "Conflict" even after IP address is recovered.	Increased stability
New Feature	Put CPU to sleep in NULL task	Lowers the amount of power consumed by the product
New Feature	Add MDIO blanking for 5ms after reset	Improved firmware compatibility with future hardware revisions
New Feature	Add MDIO blanking for 5ms after PHY reset	Improved firmware compatibility with future hardware revisions
New Feature	Add 50ms PHY power-on reset, and MDIO blanking after PHY reset to comply with Texas DP83826 requirements	Improved firmware compatibility with future hardware revisions