



RELEASE NOTES

Project Name: **port - Intelligent RJ45**

Project Version: **SoM 2.2**

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 **CONFIDENTIAL**

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Release Notes for port – SoM 2.2

Completed Features

Key	Components	Summary	Description
P2015013-2252	uGOAL	UGOAL: add support for NXP S32K144 development board	
P2015013-2225	CC_FIRMWARE;PNIO; ;	PNIO: update stack to specification 2.44	
P2015013-2223	CC_FIRMWARE;Ether Net/IP;;	ENIP: Reworking configuring of domain- and host name	Setting the Host- and Domain name from AC isn't take over until Type 1 Reset. This behavior ist not very sutiable for products like SoM or iRJ45 - as a port-specific default value is configured anyway.
P2015013-2218	CC_FIRMWARE;GOAL core	Improve lock driver to reduce amount of used hardware semaphores	The lock driver of the RIN32M3 assigns new hardware semaphores to each requested GOAL lock leading to many occupied ressources. Now some thread-safe modules will share the same semaphore to reduce the number of locks.
P2015013-2175	AC_LIBRARY;uGOAL;;	UGOAL: integration of platform STM32F746ZG	
P2015013-2118	AC_LIBRARY;EtherCA T;uGOAL	ECAT: add explicit EoE activation with cfg function in examples (9/12)	
P2015013-2115	AC_LIBRARY;uGOAL	UGOAL: Integration of platform STM32F103 as target	
P2015013-2108	AC_LIBRARY;uGOAL	UGOAL: Integration of platform STM32H755 as target	
P2015013-2055	CC_FIRMWARE	CTC: Implement RPC service to get state change of each ethernet ports on CC	
P2015013-2043	CC_FIRMWARE	MB: Add Modbus TCP support	
P2015013-2039	CC_FIRMWARE;Ether Net/IP	ENIP: Add feature LLDP	according to the ODVA LLDP is required for future certifications of EtherNet/IP devices
P2015013-2038	AC_LIBRARY;uGOAL	UGOAL: Add API to transfer logging messages from CC to AC and AC to CC	In GOAL there is a feature to transport all logging messages from CC to AC. This feature shall be ported to uGOAL.

Fixed Bugs

Key	Components	Summary	Description
P2015013-2266	CC_FIRMWARE	Exception Log at NVS prevents boot-up	
P2015013-2263	CC_FIRMWARE;PNIO	PNIO: Vendor ID and Name is not checked in received Connect Request	
P2015013-2237	CC_FIRMWARE;CTC	CTC: CC re-transmit logging messages from AC to AC again, if corresponding feature is	If appl_ccmLogEnable and appl_ccmLogToAcEnable is enabled, the AC sends his log message to the CC. The CC does

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		enabled	this too with his and even with the previous received log messages leading to an endless loop. This bugfix stops the CC from transmitting received log messages over CTC.
P2015013-2211	AC_LIBRARY;CC_FIRMWARE;PNIO	PNIO: Datatype of idRevSwRevCnt differ in code, leading to ignored high-byte when using goal_pnioCfgSwRevCntSet	
P2015013-2187	CC_FIRMWARE;EtherCAT	ECAT: conformance tests fails due to missing subindex "sync error" in objects 0x1c32 and 0x1c32	
P2015013-2177	AC_LIBRARY;CC_FIRMWARE	Mis-ordered staging leads to non-functional goal_net_rpc applications	
P2015013-2176	CC_FIRMWARE	Missing memory deny handle leads to non-functional delayed networking	This behavior only occurs, if the AC doesn't start Networking on the CC while setup. The CC then will start Networking with a delay. Due to a removed "memory deny handle", opening network is then not possible.
P2015013-2166	AC_LIBRARY;CC_FIRMWARE;CTC;EtherCAT	ECAT: MCTC (SPI) device can not transit into Pre-OP if explicit device ID is used	Cache explicit device ID on CC, to answer request immediately.
P2015013-2151	CC_FIRMWARE;PNIO	PNIO: RPC stack not empty while adding extended channel diagnosis entry	The function goal_pnioDiagExtChanDiagAddCc() pushes the diagnosis handle via GOAL_RPC_PUSH(hdl) onto the RPC stack, but the function goal_pnioDiagExtChanDiagAddAc() pops the data via GOAL_RPC_POP_PTR(pHdl, sizeof(GOAL_PNIO_DIAG_HANDLE_T)); leading to be still 2 Byte on the RPC stack.
P2015013-2137	CC_FIRMWARE	CCM_CM_VAR_ETH_SWITCH_MODE_TIMEOUT of 0xFF leads to non-functional DD at iRJ45	Some Callbacks are registered after the network is already started - as a result functionality like DD won't be started. Rearranging function calls in the application fixed this.
P2015013-2125	CC_FIRMWARE;EtherNet/IP	EIP: Datamapper doesn't propagate changed content to AC, if sender context stays the same	
P2015013-2111	AC Applications;PNIO	PNIO: GSD for 01_pnio_simple_io shows wrong module size as description	