Release Notes

Download package Communication Solutions 2023-07-1

Please note that we have released a new Download package Communication Solutions 2023-07-1 for netX51, netX52 and netX100 based PC-Cards and Embedded Modules. In this Software Update we have performed a general update of all software components.
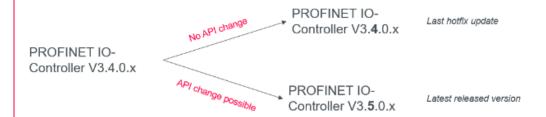
An essential aspect of Hilscher's product lifecycle management process is around maintaining existing products to guarantee sustained availability for our valued customers.

The flash component used in numerous Hilscher products was discontinued as part of the manufacturer's portfolio streamlining. In order to offer our customers a long-term and future-proof alternative, we will use flash components that support the SFDP (Serial Flash Discoverable Parameter) standard. This ensures that our products remain compatible with evolving hardware requirements and ensures a seamless user experience.

In scenarios where protocol firmware versions come in two variants within the software download package, both versions are fully compatible with the hardware currently being shipped.

Through a Product Change Notification (PCN) in the upcoming months, Hilscher will inform that, starting from a new hardware revision, the corresponding firmware generation, specifically the latest version available in the software download package, must be used.

Example:

To provide clarity on firmware generation status and versioning, we have outlined a comprehensive description, available at the following link: https://hilscher.atlassian.net/wiki/x/KQBQBg

In scenarios with two variants, one firmware is then used for an evolution without API and function change, only including support for Flash types supporting SFDP, and the other one, the latest recommended firmware generation, represents the latest technology maintained and enhanced by new features.

Hilscher will send a PCN document with detailed descriptions of the compatibility of each affected product with at least 6 month notice before the change, to ensure a smooth update-timeframe for the firmware.

Introduction

Supported Products	
comX 52CA & CN for CCS Slave	DPM or SPI host interface
comX 52CA & CN for DPS, DNS, COS Slave	DPM or SPI host interface
comX 51CA & CN for RE Slave	DPM or SPI host interface
comX 100CA & CN for RE, DP, CO, DN Master & Slave	DPM or SPI host interface
COMXEB Evaluation Board	

NJ 52D for DPS, DNS, COS, CCS Slave	DPM or SPI host interface
NJ 51D for RE Slave	DPM or SPI host interface
NJ 100DN for RE, DP Master & Slave	DPM host interface
NJ 100EN for RE, DP, CO, DN Master & Slave	PCI Express host interface
NJEB-D, NJEB-E Evaluation Boards	

CIFX 50, 80, 90, 104C	PCI, cPCI, mPCI, PCI104
CIFX 50E, 70E, 90E	PCIe, LPCIe, mPCIe
CIFX 104	PC/104
CIFX M3042100BM	M.2 PCIe
CIFX 50-2DP, -2CO, -2DN	Double fieldbus; PCI
CIFX 50-2DP\CO, -2DP\DN, -2CO\DN	Double fieldbus; PCI
CIFX 50E-2DP, -2CO, -2DN	Double fieldbus; PCIe
CIFX 50E-2DP\CO, -2DP\DN, -2CO\DN	Double fieldbus; PCIe
CIFX 90E-2DP, -2CO, -2DN	Double fieldbus; mPCIe
CIFX 90E-2DP\CO, -2DP\DN, -2CO\DN	Double fieldbus; mPCIe

Firmware Versions for CIFX, COMX & netJACK

AS-Interface Master Firmware	V 2.4.0.1
CANopen Master Firmware	V 2.14.0.6
CANopen Slave Firmware	V 3.8.0.3 V 3.9.0.1
CC-Link Slave Firmware	V 2.13.0.5
DeviceNet Master Firmware	V 2.4.0.7
DeviceNet Slave Firmware	V 2.7.0.4
CC-Link IE Field Slave	V 1.2.0.1
CC-Link IE Field Basic Slave	V 1.1.0.8 V 1.2.0.1
EtherCAT Master Firmware V4	V 4.5.0.9
EtherCAT Slave Firmware V4	V 4.9.0.2
EtherNet/IP Scanner Firmware	V 2.11.0.6 V 2.12.0.2
EtherNet/IP Adapter Firmware	V 3.6.0.8 V 3.8.0.1
Open Modbus/TCP Firmware	V 2.7.0.3 V 3.2.0.0
POWERLINK Controlled Node Firmware V3	V 3.5.0.2
PROFINET IO CONTROLLER Firmware V3	V 3.4.0.10 V 3.5.0.4
PROFINET IO Device Firmware V3.14	V 4.5.0.14 V 4.7.0.4
PROFIBUS DP Master Firmware	V 2.8.0.1
PROFIBUS DP Slave Firmware	V 2.11.0.3
SERCOS III Master Firmware	V 2.2.0.1
SERCOS III Slave Firmware	V 3.5.0.14
VARAN client Firmware	V 1.1.0.6

Firmware Versions for double fieldbus CIFX

CANopen Master - CANopen Master	V 1.2.0.5 (2.14.0.6 / 2.14.0.6)
CANopen Master - DeviceNET Master	V 1.2.0.5 (2.14.0.6 / 2.4.0.7)
CANopen Slave - CANopen Slave	V 1.2.0.5 (3.7.0.3 / 3.7.0.3)
CANopen Slave - DeviceNET Slave	V 1.2.0.5 (3.7.0.3 / 2.5.0.5)

CANopen Master - CANopen Slave	V 1.2.0.5 (2.14.0.6 / 3.7.0.3)
DeviceNET Master - DeviceNET Master	V 1.2.0.5 (2.4.0.7 / 2.4.0.7)
DeviceNET Master - DeviceNET Slave	V 1.2.0.5 (2.4.0.7 / 2.5.0.5)
DeviceNET Slave - DeviceNET Slave	V 1.2.0.5 (2.5.0.5 / 2.5.0.5)
PROFIBUS DP Master - CANopen Master	V 1.2.0.5 (2.9.0.6 / 2.14.0.6)
PROFIBUS DP Master - CANopen Slave	V 1.2.0.5 (2.9.0.6 / 3.7.0.3)
PROFIBUS DP Master - DeviceNET Master	V 1.2.0.5 (2.9.0.6 / 2.4.0.7)
PROFIBUS DP Master - PROFIBUS DP Master	V 1.2.0.5 (2.9.0.6 / 2.9.0.6)
PROFIBUS DP Master - PROFIBUS DP Slave	V 1.2.0.5 (2.9.0.6 / 2.9.0.2)
PROFIBUS DP Slave - CANopen Slave	V 1.2.0.5 (2.9.0.2 / 3.7.0.3)
PROFIBUS DP Slave - DeviceNET Slave	V 1.2.0.5 (2.9.0.2 / 2.5.0.5)
PROFIBUS DP Slave - PROFIBUS DP Slave	V 1.2.0.5 (2.9.0.2 / 2.9.0.2)

Host Examples & Application Notes

Loadable Firmware Host examples	https://hilscher.atlassian.net/wiki/x/VIAJBg
Application Notes - COMSOL	https://hilscher.atlassian.net/wiki/x/gcNRBw

Tool & Driver versions

SYCON.net	V 1.0500.230630.44454
cifX Device Driver Toolkit" (NXDRV-TKIT)	V 2.8.0.1
cifX Device Driver" (NXDRV-WIN)	V 2.6.1.0
netX Diagnostics and Remote Access (NXDIAG) *including USB Diagnostic and Host-SPM drivers*	2023-05-1
NXCheck	V 1.0.15.0
TAG list Editor	V 1.5.0.3
netHOST	2023-05-01
WebPages	V 0.0.5.0

More information and software download

More technical information

can be found on the Hilscher knowledgebase

→ https://hilscher.atlassian.net/wiki/x/HgAxC

Latest Software

For download of the latest software, please visit the Hilscher knowledgebase or the Hilscher website:

→ https://hilscher.atlassian.net/wiki/x/CACMB

→ http://www.hilscher.com/de/support/downloads/

Knowledge Base

Alternatively, you can access the Download package Communication Solutions via CIFX, COMX or netJACK on our knowledgebase.

→ CIFX:
https://hilscher.atlassian.net/wiki/x/CoDWB

→ COMX:
https://hilscher.atlassian.net/wiki/x/BgCIB

→ netJACK:
https://hilscher.atlassian.net/wiki/x/AoBzBg

Support

In case of questions, please do not hesitate to get in touch with the Hilscher Product Support
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Phone: +49 6190 9907 99