

Communication Solution DVD 2021-03-2 available

Please note that we have released **Communication Solution DVD 2021-03-2** for netX10, netX52, netX51 and netX100 based PC-Cards and Modules. In this DVD we have added an updated migration guide and documentation for comX 52CN.

Important updates

- **Introduction** of EIS V3.6.x.x firmware as EIS V2.14.x.x replacement
- **Introduction** of PNS V4.5.x.x firmware as PNS V3.14.x.x replacement
- **New** comX 52 for PROFIBUS DP Slave, DeviceNet Slave and CANopen Slave as compatible comX 10 replacement.
- **New** updated migration guide for comX 52CN



PNS V3 & EIS V2 phase out

Due to development consolidation and efficiency improvements, we will phase out PROFINET IO-Device generation **V3** and EthernetIP Adapter generation **V2** by end of 2021. Means by this date no features will be added anymore and there will be no support of latest test bundles for certification.

Replacement will be PROFINET IO-Device generation **V4** and EthernetIP Adapter generation **V3**, which are available in this package. We strongly recommend always using the latest firmware versions, to have full feature support and to stay compliant with latest test bundles for certification. Please make sure to test the new firmware generations in your application, to allow a smooth transition.

For preloaded communication modules **comX** & **netJACK** the new versions can be ordered as following variants:

/PNS V4 - PROFINET IO-Device generation V4

/EIS V3 - EthernetIP Adapter generation V3

For consistency the old versions still can be purchased via the existing variants:

/PNS V3 - PROFINET IO-Device generation V3

/EIS - EthernetIP Adapter generation V2

Introduction Communication Solution DVD 2021-03-2

Supported Products

- | | |
|---|-----------------------------|
| ■ comX 10CA & 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 & IOT | (DPM or SPI host interface) |
| ■ comX 100CA & CN for RE, DP, CO, DN Master and Slave | (DPM host interface) |
| ■ COMXEB Evaluation Board | |
| | |
| ■ NJ 10D 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 | (PCIExpress host interface) |
| ■ NJEB-D, NJEB-E Evaluation Boards | |

▪ CIFS 50, 80, 90, 104C	(PCI, cPCI, mPCI, PCI104)
▪ CIFS 50E, 70E, 90E	(PCIe, LPCIe, mPCIe)
▪ CIFS 104	(PC/104)
▪ CIFS 50-2DP, -2CO, -2DN	(Double fieldbus; PCI)
▪ CIFS 50-2DP\CO, -2DP\DN, -2CO\DN	(Double fieldbus; PCI)
▪ CIFS 50E-2DP, -2CO, -2DN	(Double fieldbus; PCIe)
▪ CIFS 50E-2DP\CO, -2DP\DN, -2CO\DN	(Double fieldbus; PCIe)
▪ CIFS 90E-2DP, -2CO, -2DN	(Double fieldbus; mPCIe)
▪ CIFS 90E-2DP\CO, -2DP\DN, -2CO\DN	(Double fieldbus; mPCIe)

Firmware Versions for CIFS, COMX & netJACK

▪ AS-Interface Master Firmware:	V 2.4.0.1
▪ CANopen Master Firmware:	V 2.14.0.1
▪ CANopen Slave Firmware:	V 3.8.0.1
▪ CCLink Slave Firmware:	V 2.12.0.2
▪ DeviceNet Master Firmware:	V 2.4.0.3
▪ DeviceNet Slave Firmware:	V 2.7.0.0
▪ CC-Link IE Field Slave:	V 1.2.0.0
▪ CC-Link IE Field Basic Slave:	V 1.1.0.7
▪ EtherCAT Master Firmware V4:	V 4.5.0.0
▪ EtherCAT Slave Firmware V4:	V 4.8.0.4
▪ EtherNet/IP Scanner Firmware:	V 2.11.0.1
▪ EtherNet/IP Adapter Firmware:	V 2.14.0.3 (obsolete)
▪ EtherNet/IP Adapter Firmware:	V 3.6.0.0
▪ OpenModbus/TCP Firmware:	V 2.7.0.1
▪ POWERLINK Controlled Node Firmware V3:	V 3.5.0.0
▪ PROFINET IO CONTROLLER Firmware V3:	V 3.3.0.12
▪ PROFINET IO Device Firmware V3.14:	V 3.14.0.9 (obsolete)
▪ PROFINET IO Device Firmware V4.5:	V 4.5.0.7
▪ PROFIBUS DP Master Firmware:	V 2.8.0.0
▪ PROFIBUS DP Slave Firmware:	V 2.11.0.0
▪ SERCOS III Master Firmware:	V 2.1.9.0
▪ SERCOS III Slave Firmware:	V 3.5.0.8
▪ VARAN client Firmware:	V 1.1.0.5

Firmware Versions for double fieldbus CIFS

▪ CANopen Master - CANopen Master:	V 1.2.0.2 (2.14.0.1 / 2.14.0.1)
▪ CANopen Master - DeviceNET Master:	V 1.2.0.2 (2.14.0.1 / 2.4.0.1)
▪ CANopen Slave - CANopen Slave:	V 1.2.0.2 (3.7.0.1 / 3.7.0.1)
▪ CANopen Slave - DeviceNET Slave:	V 1.2.0.2 (3.7.0.1 / 2.5.0.5)
▪ CANopen Master - CANopen Slave	V 1.2.0.2 (2.14.0.1 / 3.7.0.1)
▪ DeviceNET Master - DeviceNET Master:	V 1.2.0.2 (2.4.0.1 / 2.4.0.1)
▪ DeviceNET Master - DeviceNET Slave:	V 1.2.0.2 (2.4.0.1 / 2.5.0.5)
▪ DeviceNET Slave - DeviceNET Slave:	V 1.2.0.2 (2.5.0.5 / 2.5.0.5)
▪ PROFIBUS DP Master - CANopen Master:	V 1.2.0.2 (2.9.0.3 / 2.14.0.1)
▪ PROFIBUS DP Master - CANopen Slave:	V 1.2.0.2 (2.9.0.3 / 3.7.0.1)
▪ PROFIBUS DP Master - DeviceNET Master:	V 1.2.0.2 (2.9.0.3 / 2.4.0.1)
▪ PROFIBUS DP Master - PROFIBUS DP Master:	V 1.2.0.2 (2.9.0.3 / 2.9.0.3)
▪ PROFIBUS DP Master - PROFIBUS DP Slave:	V 1.2.0.2 (2.9.0.3 / 2.9.0.2)
▪ PROFIBUS DP Slave - CANopen Slave:	V 1.2.0.2 (2.9.0.2 / 3.7.0.1)
▪ PROFIBUS DP Slave - DeviceNET Slave:	V 1.2.0.2 (2.9.0.2 / 2.5.0.5)
▪ PROFIBUS DP Slave - PROFIBUS DP Slave:	V 1.2.0.2 (2.9.0.2 / 2.9.0.2)

Firmware Versions for COMX 51 incl. OPC UA / MQTT

■ PROFINET IO Device + OPC UA / MQTT Firmware	V 1.0.0.2
PROFINET IO Device	3.12.0.11
OPC UA Server - Micro @2018-6-8,13:8:8	1.0.0.3
MQTT Client	1.1.0.1
servX Webserver core	1.6.0.1
netPROXY Core Library	2.2.2.0
Hilscher TCP/IP	2.4.0.6
■ EtherNetIP Adapter + OPC UA / MQTT Firmware	V 1.0.0.2
EtherNetIP Adapter	2.13.0.10
OPC UA Server - Micro @2018-6-8,13:8:8	1.0.0.3
MQTT Client	1.1.0.1
servX Webserver core	1.6.0.1
netPROXY Core Library	2.2.2.0
Hilscher TCP/IP	2.4.0.6

Host Examples & Application Notes

- Loadable Firmware Host examples: <https://kb.hilscher.com/x/-yTtBQ>
- Application Notes - COMSOL: https://kb.hilscher.com/x/d5J_Bg

Tool & Driver versions

■ SYCON.net:	V 1.0500.201127.35275
■ netXStudio Engineering (BASIC)	V 1.0.400.1.1243
■ cifX Device Driver Toolkit" (NXDRV-TKIT):	V 2.6.0.0
■ cifX Device Driver" (NXDRV-WIN):	V 2.5.1.0
■ netX Diagnostics and Remote Access (NXDIAG): including USB Diagnostic and Host-SPM drivers	2021-02-1
■ NXCheck:	V 1.0.13.0
■ TAG list Editor:	V 1.5.0.0
■ WebPages:	V 0.0.5.0

More information and software download

More technical information can be found on the Hilscher knowledge base:

<https://kb.hilscher.com/x/VAKr>

For Download of the current Software please visit the Hilscher knowledge base or the Hilscher webpage:

<https://kb.hilscher.com/x/DoPUAw>

<http://www.hilscher.com/de/support/downloads/>

Alternatively, you can access the COMSOL DVD via CIFX, COMX or netJACK on our knowledgebase.

CIFX: <https://kb.hilscher.com/x/M5ZqAQ>

COMX: <https://kb.hilscher.com/x/VoAtB>

netJACK: <https://kb.hilscher.com/x/8wEcB>