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Thank you for choosing HBM as solution provider for your measurement, testing and analysis tasks.

This document shows product news and dependencies around the QuantumX and SomatXR data acquisition series, for instance modules, accessories, firmware, PC software, documentation, services and trainings.

As this document is also part of the DVD shipped together with every single module, please check whether an updated version is available on <http://www.hbm.com>

We always recommend using the latest release of firmware and software!

Your opinion counts a lot. Please contact us and let us know how to improve our products and services. Many thanks in advance: <http://www.hbm.com/support/>

What's new or updated?

New modules

- **None**

MX Module Firmware 4.28.30.0 (0, A, B, and C platform)

- **New**
 - MX471/B/C: optimizations to support CCP/xCP and better warning/error reports
 - MX440B and MX840B: support of Pt500 in addition to Pt100 and Pt1000
 - MX1615/B, MX1616B: bridge excitation frequency AUTO translates to AC, if possible
 - MX878/B, MX879/B: Alarm unit can receive asynchronous values (e.g. from CAN)
 - Max. number of available isochronous channels is checked; if more selected, they are deactivated with warning
 - All: minor bug fixes
- **Known Bugs**
 - PTP synchronization not possible, when connected via APIPA

PC Software

- **catman 5.3.2**
 - **New**
 - CAN raw data recording for CAN FD
 - Support of new QuantumX/SomatXR Ethernet gateway functionality
 - Recording of uncompressed video stream
- **MX Assistant 4.9.1**
 - **No change from previous release**

RELEASEnotes

QUANTUMX
SOMAT XR

Documentation

- **New**
 - None
- **Reworked**
 - QuantumX MX440B Datasheet
 - QuantumX MX840B Datasheet
 - SomatXR MX Operating Manual
 - SomatXR Accessories Datasheet
 - SomatXR CX22B-R Datasheet
 - SomatXR MX590B-R Datasheet
 - SomatXR MX840B-R Datasheet
 - SomatXR CON-S3006T/7T Information
 - SomatXR SCM-R-TCx Datasheet

Version Chart

QuantumX / SomatXR for free PC software (DVD and download)	Version 4.91 (* = has been updated)
MX Assistant	4.9.1
FireWire driver for Microsoft Windows™	1.45.0.0 (please update)
HBM Device Manager	1.0.0.1

Device / module firmware	Version
QuantumX Data Recorder CX22B and CX22B-W	5.3.2 * (update: install new catman + license key)
QuantumX MX840B, MX440B, MX1615B, MX1601B, MX1609KB/TB, MX410B, MX460B, MX430B, MX238B, MX403B, MX809B, MX471B, MX878B, MX879B, CX27B and older modules.	4.28.30.0 *
QuantumX CX27C, MX471C	4.28.30.0-C *
SomatXR Data Recorder CX22B-R-W	5.3.1 (update: install new catman + license key)
SomatXR Data Recorder CX23-R	2.10.2 *
SomatXR MX840B-R, MX1615B-R, MX1601B-R, MX1609KB-R/TB-R, MX411B-R, MX471B-R, MX460B-R	4.28.30.0 *
SomatXR CX27C-R, MX471C-R	4.28.30.0-C *
Framework.dll	4.16.2

Commercial PC software (DVD and download)	Version
catman®EASY / AP	5.3.2 *
catman®Enterprise	7.2
HBM Common LabVIEW™ driver	3.0
HBM Common API driver for Visual Studio .NET	4.0
QuantumX CANape driver	4.1.5

The software shown in the version chart has passed functional validation and quality assurance procedures (verification). To our best knowledge and expertise the software is bug free and qualified to be used in test & measurement tasks (IATF 16949).

Minimal Requirements for the PC

- Software:
 - Windows® Vista™, 7, 8.x or 10
 - Microsoft Internet Explorer Version 8.0 or newer
 - Microsoft .NET Framework 4.0
if necessary, needs to be manually installed using Windows-Update under Windows 8
- Hardware:
 - 32 or 64 Bit architecture
 - Intel Pentium 1 GHz or equivalent
 - Memory (RAM):
 - 1024 MByte under Windows Vista™, 7, 8.x or 10
 - Graphic card and monitor with resolution of at least 1024 x 768 pixels
 - Up to 100 MByte free hard disk memory (more in case of lacking .NET Framework)
 - Ethernet interface (100/1000 MBit)
 - Optional FireWire 1394b adapter (PC-CARD, expressCARD/34, PClexpress or Thunderbolt).

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