RELEASEnotes QUANTUMX SOMAT XR

March 2020

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, and B platform)

- **No change from previous release**

MX Module Firmware 4.32.14.0-C (C platform)

- **New**
    - CX27C: PROFINET and EtherCAT are now supported and can be selected by user
    - CX27/B/C: Number of EtherCAT transmit channels are checked and deactivated with warning, if too many selected
    - MX471C: Byte order for 64-bit data corrected, if transmitted via FireWire
    - All: PTP supported, even if APIPA is used
    - All: minor bug fixes
- **Known Bugs**
    - CX27C: Before downgrading to a version below 4.32 the fieldbus mode must be set to PROFINET because no other fieldbus is supported in lower versions

PC Software

- **catman 5.3.3**
    - **New**
        - MX840B: Pt500 thermocouples are now supported
        - CX22/B: DAQ job verification extended (logger mode)
        - Enhancement of EasyScript functionality
        - ASCII files with header can now be imported if size is up to 2 GB

- Small fixed and improvements

- **MX Assistant 4.10.1**
  - **New**
    - CX27C: Fieldbus mode functionality integrated to switch between PROFINET and EtherCAT of supported
    - PDF for system overview and calibration certificate are now shown in Windows standard viewer
    - Some texts and icons adapted for the outputs
    - Small fixes and improvements

Documentation

- **New**
  - None
- **Reworked**
  - QuantumX CX27 Operating Manual
  - QuantumX CX27C Datasheet
  - QuantumX MX410B Datasheet
  - QuantumX MX840B Datasheet
  - QuantumX MX1601B Datasheet
  - QuantumX MX1615B Datasheet
  - QuantumX MX1616B Datasheet
  - SomatXR CX23-EX23-R Operating Manual
  - SomatXR CX27C-R Operating Manual
  - SomatXR MX Operating Manual
  - SomatXR CX22B-R Datasheet
  - SomatXR CX27C-R Datasheet
  - SomatXR MX411B-R Datasheet
  - SomatXR MX471C-R Datasheet
  - SomatXR MX840B-R Datasheet
  - SomatXR MX1601B-R Datasheet
  - SomatXR MX1615B-R Datasheet

Version Chart

QuantumX / SomatXR for free PC software (DVD and download)	Version 4.101 (* = has been updated)
MX Assistant	4.10.1 *
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	4.32.14.0-C *
SomatXR Data Recorder CX22B-R-W	5.3.2 (update: install new catman + license key)
SomatXR Data Recorder CX23-R	2.12.0 *
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	4.32.14.0-C *
Framework.dll	4.16.2

Commercial PC software (DVD and download)	Version
catman®EASY / AP	5.3.3 *
catman®Enterprise	8.0.1 *
HBM Common LabVIEW™ driver	3.0
HBM Common API driver for Visual Studio .NET	5.0 *
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, PCIexpress or Thunderbolt).