April 2019

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

- **QuantumX CX27C** Industrial Ethernet Gateway supporting PROFINET (EtherCAT in development)

- **QuantumX MX471C** CAN FD Module (MX471B will be phased out end of 2019)

- **SomatXR CX27C-R** and **MX471C-R** will be released soon.

MX Module Firmware 4.12.34 (0, A and B platform)

- **New**
    - All: minor bug fixes
    - MX1609, MX590B-R: Enhanced RFID support

MX Module Firmware 4.18.48 (C platform)

- **New**
    - Supporting MX471C(-R) and CAN FD decoding
    - CX27C: Physical range of signals in EtherCAT

PC Software

- **MX Assistant 4.8.1**
    - **New**
        - CAN FD support
        - EtherCAT ESI file export now with unit and physical range and more export options
        - Small fixes and improvements

- **EVIDAS 1.2**
  - o **New**
    - New X-Y visualization object
    - Recording of CAN / CAN FD data
    - Several enhancements
- **Catman 5.3.1**
  - o **New**
    - for mobile testing
      - CAN FD data recording
      - Enhanced GPS support
      - Export CAN raw data to Vector format
    - for lab testing
      - NTP support in pure optical systems with FS22
    - general
      - Save and export data in NI TDMS format
      - New EasyScript functions

Documentation

- **New**
  - o QuantumX MX471C CAN FD Module datasheet
  - o SomatXR MX471C-R CAN FD Module datasheet
  - o SomatXR CX27C-R Industrial Ethernet Gateway datasheet
- **Reworked**
  - o QuantumX CX22B-W Data Recorder datasheet
  - o SomatXR EX23-R Ethernet PTP switch datasheet
  - o SomatXR Accessory datasheet

Version Chart

QuantumX / SomatXR for free PC software (DVD and download)	Version 4.81 (* = has been updated)
MX Assistant	4.8.1 *
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	5.3.1 * (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.	4.12.34 *
QuantumX CX27C, MX471C	4.18.48 *
SomatXR Data Recorder CX22B-R-W	5.3.1 * (update: install new catman + license key)
SomatXR Data Recorder CX23-R	2.8.4 *
SomatXR MX840B-R, MX1615B-R, MX1601B-R, MX1609KB-R/TB-R, MX411B-R, MX471B-R, MX460B-R	4.12.34 *
SomatXR CX27C-R, MX471C-R	4.18.48 *
Framework.dll	4.16.2

Commercial PC software (DVD and download)	Version
EVIDAS	1.2 *
catman®EASY / AP	5.3.1 *
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, PCIexpress or Thunderbolt).