

Driver FMT4xx_FMT2xx HART

SensyMaster

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*) DTM700 Supplement Info is available on the data medium \documentation or latest on www.abb.com/fieldbus. Enter here in the search field following No. "3KXD801700R3901".

1 Device - Revision Record - What is new?

1.1 Hardware ID: 1A27

Released Revision	Released Date	Remarks
04	Nov. 2018	First release

1.2 Software/Firmware

Released Revision	Released Date	Remarks
01.00.08	Nov. 2018	First release

1.3 Device (latest SW compatibility status)

Released Revision	Released Date	Remarks
01	Nov. 2018	First release

1.4 Supported devices

FMT230, FMT250, FMT430, FMT432, FMT450, FMT452

SensyMaster FMT230, FMT250 HART with HW Version 04, SW Version 01.00.xx and Device revision 01 or higher.

SensyMaster FMT430, FMT432, FMT450, FMT452 HART with HW Version 04, SW Version 01.00.xx and Device revision 01 or higher.

1.5 Cyber Security info

1.5.1 ABB recommendation

A virus scanner shall use on all PCs/Notebooks. McAfee VirusScan® Enterprise has been tested and qualified for this purpose.

1.6 Licensing

The “General terms of license for computer soft-ware utilization” are valid, which can find by searching on abb.com

2 DTM (Device Type Manager)

2.1 Supported devices

- Sensy Master FMT4xx_FMT2xx HART

2.2 DTM (driver) Version record – What is new?

Released driver Version	Released Date	Released Library Version/FDI base EDD	Remarks
07.01.01	Dec 2020	010400 0104	- First release , DTM700 version

- The device DTM supports the standard FDT 1.2 .

2.3 Supported Languages

The device DTM supports English

2.4 Requirements

2.4.1 PC-Hardware, Operating system

DTM700

– Minimum requirement

2-GHz-Processor or better with 32 Bit (x86) or 64 Bit (x64)

1 GB RAM or better

500 MB free hard disk space

1024 x 768 screen resolution recommended

Microsoft Windows 7 Service Pack 1, Windows 8.1 & Windows 10 (32 Bit / 64 Bit variants supported)

Microsoft .NET Framework 4.6.1

Microsoft Visual C++ 2015 Redistributables - 14.0.23026

Microsoft Internet Explorer 6.0 or higher

Adobe Reader latest version

2.4.2 Frame application / compatibility

DTM700

The ABB DTM should be usable in all frame applications according to the requirements of FDT 1.2..

Refer the corresponding frame application documentation and Manuals

2.5 Installation and configuration

2.5.1 Installation

DTM700

– Ensure that the minimum hardware requirements are met.

– Start Windows (login with administrator rights!).

– Cancel all active applications.

– Unpack the DTM zip file available as download from www.abb.com/Instrumentation

– Start the installation Wizard as follows:

– Right hand MouseClick with “run as Administrator”

<drive>:\.3KXF422400S0202_DTM_FMT4xx_FMT2xx_SensyMaster_HART.zip\
3KXF422400S0202_DTM_FMT4xx_FMT2xx_SensyMaster_HART\MID-001A_DID-1A27Revision_07.01.01\
DTMFMT4xxFMT2xxHART.exe
– Follow the instructions

2.5.2 Uninstall instructions

DTM700

In the operating system: Start -> Settings -> Control Panel -> Add/Remove Programs -> Select the DTM and Uninstall

2.6 Update- / Upgrade instructions

DTM700

– Uninstallation is not required before update / upgrade. It can be handled like a new installation existing projects will be retained. Only in case of upgrade from DTM500 to DTM700, uninstallation of DTM500 to be followed as specified in DTM500 Bundle supplementary Information document before proceeding with DTM700 installation.

– Hints regarding new versions may be found under <http://www.abb.com/Fieldbus>

2.7 Known problems and limitations

DTM700

- Limitation: DTM connection states are not updated – Communication DTM shall provide updated communication states on disturbed, aborted, standby, connected, disconnected
- DTM is not tested with Symphony Harmony due to FDT issue – working with Harmony team to resolve
- DTM window resizes when goes online/offline parameterization. Observed in AVB

2.8 Getting help / further information

Help concerning the integration of the DTM in the FDT frame application can be found in the respective documentation of the frame application.

2.8.1 How to get the latest information & software?

The latest device driver Supplement Info & software (driver) is available on www.abb.com/measurement

2.9 Licensing the DTM

DTM700
None

3 EDD

3.1 Supported devices

FMT230, FMT250, FMT430, FMT432, FMT450, FMT452

3.2 EDD Version record / What is new?

Released Version	Released Date	Remarks
01 02 (FDI)	Nov. 2018	First Release
01 04	Jan. 2020	<ul style="list-style-type: none"> • General (unreg) • <i>Host specific optimizations -PDM</i>
01 05	Feb 2022	<ul style="list-style-type: none"> • FDI IDE 1.4.2 tokenizer fixes • Low-cost device compatibility in FIM 2.2.1

3.3 Requirements

3.3.1 Interpreter / compatibility

The EDD is released for PDM ≥ 9.1 SP2.

3.4 Installation and configuration

Start your Frame application and follow the instructions.

3.5 Known problems and limitations

None known

3.6 Getting help / further information

Help concerning the integration of the driver in the frame application can be found in the respective documentation of the frame application.

3.7 How to get the latest information & software?

The latest device driver Supplement Info & software (driver) is available on www.abb.com/fieldbus:
 → latest information [*field device protocol dependent*]
 → latest info (download) [*device type dependent*]
 - Driver description
 - Software [*driver type dependent*]

4 FDI (Field Device Integration)

FDI Package (EDD based)

4.1 FDI Device Package Version record - What is new?

Released Date	Package Version	EDD Released Version (Dev Rev)	Attachment (Revision)	UIP Released Version (00.00.00), Winx	UIP Changed UIP file count	Remarks (EDD. Attachment, UIP)
Nov. 2018	01.00.00	01 02	1a27_SensyMaster_256x256.png	none	no	First release
Jan. 2020	01.00.01	01 04	1a27_SensyMaster_256x256.png, OI_FMT230_250_EN_A.pdf, OI_FMT430_450_EN_A01.pdf	none	no	Bug fix
Feb 2022	01.05.00	01 05	1a27_SensyMaster_256x256.png, OI_FMT230_250_EN_A.pdf, OI_FMT430_450_EN_A01.pdf	none	no	Tokenzier & latest FIM related fixes

4.2 Supported Languages

The device package supports English

4.3 Requirements

FDI Technology Version 1.x.x

4.3.1 EDD Host application / compatibility

4.4 Remove / import and configuration

Start your EDD Host application and follow the instructions.

4.5 Update- / Upgrade instructions

4.6 Known problems and limitations

None known

4.7 Getting help / further information

Help concerning the integration of the Package in the FDI frame application can found in the respective documentation of the frame application.

Use mouse over for field hints and tooltips.

4.8 How to get the latest information & software?

The latest device driver Supplement Info & software (driver) is available on www.abb.com/measurement

Contacts

ABB Measurement & Analytics
For your local ABB contact,
visit: abb.com/contacts
For more product information,
visit: abb.com/measurement

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