

FIM BRIDGE 800XA VERSION 2.5

FIM Bridge 800xA

Release Notes





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Document Number: 2PAA122890V25

Document Revision: C

Release: July 2021

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Table of Contents

1	About These Release Notes	
1.1	General	7
1.2	Release Note Conventions	7
1.3	Warning, Caution, Information, and Tip Icons	7
2	Release Notes	
2.1	Introduction	9
2.2	Products Participating in this Version	9
2.3	Release Notes Safety Notices	10
2.4	Related Documentation	10
2.5	Product Support	11
3	System Requirements	
4	Functionality Changes	
4.1	Support of Controllers	15
4.2	Support of Communication Interfaces	15
4.3	Support of S800 I/O Modules	16
4.4	Support of S900 I/O Modules	16
4.5	Support of Select I/O Modules	17
4.6	Loop Check	17
5	Known Problems	
5.1	Introduction	19
5.2	Issues	19

1 About These Release Notes

1.1 General



Any security measures described in these Release Notes, for example, for user access, password security, network security, firewalls, virus protection, etc., represent possible steps that a user of an Field Information Manager may want to consider based on a risk assessment for a particular application and installation. This risk assessment, as well as the proper implementation, configuration, installation, operation, administration, and maintenance of all relevant security related equipment, software, and procedures, are the responsibility of the user of the Field Information Manager.

These Release Notes describe the new functionalities and the known problems in FIM Bridge 800xA 2.5.

1.2 Release Note Conventions

Microsoft Windows conventions are normally used for the standard presentation of material when entering text, key sequences, prompts, messages, menu items, screen elements, etc.

1.3 Warning, Caution, Information, and Tip Icons

These Release Notes include Warning, Caution, and Information where appropriate to point out safety related or other important information. They also include Tip to point out useful hints to the reader. The corresponding symbols should be interpreted as follows:



Electrical warning icon indicates the presence of a hazard that could result in *electrical shock*.



Warning icon indicates the presence of a hazard that could result in *personal injury*.

1 About These Release Notes

1.3 Warning, Caution, Information, and Tip Icons



Caution icon indicates important information or warning related to the concept discussed in the text. It might indicate the presence of a hazard that could result in *corruption of software or damage to equipment/property*.



Information icon alerts the reader to pertinent facts and conditions.



Tip icon indicates advice on, for example, how to design your project or how to use a certain function

Although Warning hazards are related to personal injury, and Caution hazards are associated with equipment or property damage, it should be understood that operation of damaged equipment could, under certain operational conditions, result in degraded process performance leading to personal injury or death. Therefore, fully comply with all Warning and Caution notices.

2 Release Notes

2.1 Introduction

This document represents the Release Notes for FIM Bridge 800xA 2.5.



With this release, FIM Bridge 800xA 2.5 is applicable for greenfield and brownfield installations of ABB Ability™ System 800xA 5.1 RevE, 5.1 FP4 RevE, 6.0.3, 6.1 and 6.1.1.

Please note that the new Loop Check functionality is only supported in ABB Ability™ System 800xA 6.1.1.

FIM Bridge 800xA is the successor of previous FIM800xAConnect and contains all components relevant for ABB Ability™ System 800xA. The connectivity to ABB Ability™ System 800xA in Field Information Manager 2.2.1 can only be established using the FIM Bridge 800xA.



Connectivity to ABB Ability™ System 800xA is a licensed feature and requires Device Management Edition for using FIM Bridge 800xA in Field Information Manager.

This document describes the functionality changes and new functionalities introduced for this product in this release. It also enumerates known problems encountered in the final testing of this product release and identifies workarounds that help overcome the problem. The document contains additional notes that may be valuable to the customers and service personnel working with the product.



Some known issues are more important than others. Pay attention to the Workarounds, Clarifications and Helpful Hints provided, particularly for the issues that are marked Important.

2.2 Products Participating in this Version

The released version of FIM Bridge 2.5 contains the following product:

- FIM Bridge 800xA 2.5 (Build 2.5.9696.0)

2.3 Release Notes Safety Notices



Failure to follow all Warnings and Instructions may lead to loss of process, fire, or death.



Read Release Notes carefully before attempting to install, operate, or maintain this software.

This software is designed to operate within the specifications of the FIM Bridge 800xA. Do not install this software on systems that exceed these limits.

Follow your company's safety procedures.

These Release Notes are written only for qualified persons and are not intended to be a substitute for adequate training and experience in the safety procedures for installation and operation of this software. Personnel working with this software must also exhibit common sense and good judgement regarding potential hazards for themselves and other personnel in the area. Should clarification or additional information be required, refer the matter to your ABB sales representative and/or local representative.

File these Release Notes with other instruction books, drawings, and descriptive data of the Field Information Manager. Keep these Release Notes available for the installation, operation, and maintenance of this equipment. Use of these Release Notes will facilitate proper operation and maintenance of the Field Information Manager and its software and prolong its useful life.

All information contained in Release Notes is based on the latest product information available at the time of printing. The right is reserved to make changes at any time without notice.

2.4 Related Documentation

The documents to be used in conjunction with these Release Notes document are:

- FIM Bridge 800xA Online Help
- 2PAA122884V25_en_User_Guide_Bridge800xA.pdf
- 2PAA122884V25_de_Benutzerhandbuch_Bridge800xA.pdf
- Field Information Manager Online Help
- 2PAA117322V22_en_User_Guide_Field Information Manager.pdf
- 2PAA117322V22_de_Benutzerhandbuch_Field Information Manager.pdf
- 2PAA116567V22_FIM_Product_Guide.pdf

- 3BSE091794 ABB Ability™ System 800xA 6.1 and 6.1.1 - System Guide Summary
- 3BSE078159 ABB Ability™ System 800xA 6.0.3 - System Guide Summary
- 3BSE069079 ABB Ability™ System 800xA 5.1 FP4 - System Guide Summary
- Field Information Manager website www.abb.com/fieldinfo containing instructions, videos and frequently asked questions (FAQs).

2.5 Product Support

Contact ABB technical support or your local ABB representative for assistance in reporting the problem.

3 System Requirements

Operating System Requirements

- Windows 8.1, Windows 10, 64 Bit.
- FIM Bridge 800xA is installed on Windows Client OS or alternatively on Windows Server OS.

FIM Bridge 800xA requires an installation of ABB Ability™ System 800xA 5.1 RevE, 5.1 FP4 RevE, 6.0.3, 6.1 or 6.1.1 on the same machine. Please find more information about the supported Windows versions in System Guide Summaries listed in [Related Documentation](#).

- 50 MB storage space, minimum of 1 Gigabyte RAM.

4 Functionality Changes

This section describes the functional changes for FIM Bridge 800xA 2.5, which is the successor of previous FIM800xAConnect.

4.1 Support of Controllers

FIM Bridge 800xA supports the following Controllers in ABB Ability™ System 800xA:

Table 4.1: Supported Controllers

Type	Supported Controllers
Basic Process Control	PM851, PM856, PM858, PM860, PM861, PM862, PM864, PM865, PM866, PM891, Loop Check Controller
High Integrity (with SM811 or SM812)	PM857, PM863, PM867

4.2 Support of Communication Interfaces

Besides I/O Modules connected to the Controller via Modulebus, FIM Bridge 800xA supports the following Communication Interfaces in ABB Ability™ System 800xA:

Table 4.2: Supported Communication Interfaces

Type	Supported Communication Interfaces
PROFIBUS	CI854, CI854A, CI854B
PROFINET	CI871

4.3 Support of S800 I/O Modules

FIM Bridge 800xA supports the following S800 I/O Modules in ABB Ability™ System 800xA:

Table 4.3: Supported S800 I/O Modules

Type	Supported Modules
Communication Interface	CI801, CI840
Analog Input	AI801, AI810, AI815, AI820, AI825, AI830, AI835, AI843, AI845, AI880A, AI890, AI893, AI895
Analog Output	AO801, AO810V2, AO815, AO820, AO845, AO890, AO895
Digital Input	DI801, DI802, DI803, DI810, DI811, DI814, DI818, DI820, DI821, DI825, DI828, DI830, DI831, DI840, DI880, DI885, DI890, DP820, DP840
Digital Output	DO801, DO802, DO810, DO814, DO815, DO818, DO820, DO821, DO828, DO840, DO880, DO890

4.4 Support of S900 I/O Modules

FIM Bridge 800xA supports the following S900 I/O Modules in ABB Ability™ System 800xA:

Table 4.4: Supported S900 I/O Modules

Type	Supported Modules
Communication Interface	CI920, CI920A
Analog Input	AI910, AI930, AI931, AI950
Analog Output	AO910, AO920, AO930
Digital Input	DX910, DP910
Digital Output	DO910, DO930

4.5 Support of Select I/O Modules

FIM Bridge 800xA supports the following Select I/O Modules in ABB Ability™ System 800xA:

Table 4.5: Supported Select I/O Modules

Type	Supported Modules
Communication Interface	CI845
Generic I/O Module	GIS810, GIS880
Analog Input	AIS810, AIS850, AIS880, AIS885, AIS890
Analog Output	AOS810, AOS850, AOS880
Digital Input	DIS810, DIS850, DIS880, DIS890
Digital Output	DOS810, DOS880, DOS885

4.6 Loop Check

Field Information Manager supports Loop Check of channels and connected field devices in conjunction with FIM Bridge 800xA and ABB Ability™ System 800xA 6.1.1.

Loop Check of selected channels is configured and started within the Loop Check View, which also provides an overview about the current Loop Check Status of listed channels. Alternatively, the configuration can be derived from the extended Import of Device Engineering Data.

Depending on the characteristics of the respective channel, the Loop Check is performed completely automatically or with required user interaction, e.g. authorization, semi-automatic execution or manual documentation.

Loop Check in Field Information Manager supports 5-/9-Point Test, Check of Underrange and Overrange and Check of Alarm Limits.

After execution, details about the Loop Check can be displayed for each channel.

The results of the performed Loop Check can be exported to CSV and PDF file format for further use.

The Audit Trail diagram of the Dashboard includes each executed Loop Check for a channel with a connected field device.

5 Known Problems

5.1 Introduction

This section details the known problems for the FIM Bridge 800xA 2.5, that exist in the system at the time of release. It also enumerates known problems encountered in the final testing of this product release and identifies workarounds that help overcome the problem.

5.2 Issues

Issue	Workaround, Clarifications, and Helpful Hints
No known issues.	-



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