

ABB Ability™ Field Information Manager

Device management made easy



ABB Ability™ Field Information Manager is the device management tool of choice for configuration, commissioning, diagnostics and maintenance of fieldbus instruments.

The Field Information Manager includes major feature additions with new client/server architecture, multi-user support, more field connectivity and strengthened Ethernet-APL support.

ABB's Field Information Manager initiates a paradigm change for configuration and parametrization of Fieldbus devices. The tool is very easy to install and has innovative and intuitive navigation and an adaptive user interface.

This makes configuration, commissioning, diagnostics, and maintenance of field instruments faster and easier than ever before.

ABB's Field Information Manager provides integration with System 800xA and Symphony Plus thus FIM becomes a comprehensive integrated device management tool for ABB DCS. In addition FIM provides a wide range of connectivity options for HART, HART-IP, PROFIBUS, PROFINET, ASI-5, HART multiplexers and also 3rd party PLC thus FIM can easily fit into an existing system landscape.

FIM can also be installed as a standalone device management tool leveraging the various field connectivity.

Additionally, FIM provides OPC UA server interface to support digitalization and asset management applications

Key features

- **High performance UX** - Innovative graphical user interface for all purposes.
- **Flexible installation** - Can be quickly installed on Windows tablets and computers.
- **One tool for all device applications** - Works with FDI as well as EDD.
- **Quick to start** - Scans, identifies & enables access to devices within 3 minutes.
- **Online drivers' repository** - Eliminates the trial & error search of device drivers.
- **"Zero configuration"** - Topology with scanning, auto-detect and assignment of device packages to field devices.
- **Bulk device configuration & commissioning** - Enables bulk device configuration.
- **Automated loop check functions** - Hands-free, multi-point smart-sensor loop-checks, testing and reporting.
- **Auto generated documentation** - Loop and alarm check documentation for project management.
- **Wide range of field protocols support** - HART, HART-IP, PROFIBUS, PROFINET and ASI-5.
- **Asset management opportunities** - Connect to ABB Ability™ Edgenius and Genix APM Predict through OPC UA.
- **Enabling digital transformation** - PA Profile 4.02 and PA-DIM support is a key specification for standard data exchange for enabling digital transformation of field device networks.

FIM additions

Client/Server architecture including multi-user support allows several users to perform device management activities in parallel thus significantly improves efficiency during configuration/commissioning/maintenance of field devices compared to one single user. FIM clients supports connection to more than one FIM server. It's also possible to have multiple clients started by the same user on the same windows node.

Large system support FIM supports up to 20 000 device tags. When using OPC UA Pub/sub the supported number of field devices for publishing is 5 000.

Loop Check PROFINET enables automated loop check not only for HART and PA devices but also for PROFINET devices. The loop check leverages the PA Profile 4.02 interface thus the PROFINET device must support the PA Profile 4.0.2.

Support for integration of RS232/485 connected HART multiplexers using Thorsis isHMuxGate HART-IP gateway enables connectivity to a large installed base of multiplexers from e.g., Pepperl+Fuchs, MTL and other vendors. Please refer to the Thorsis isHMuxGate datasheet for the full list of supported HART multiplexers.

FIM Bridge for Rockwell 1756 EtherNet/IP extends FIM to become a common device management tool for ABB DCS and Rockwell Allen Bradley PLCs. Many times, OEM packages to be integrated into System 800xA comes with Rockwell Allen Bradley PLCs.

Support for Schneider Electric Triconex SPLC enables FIM as a device management tool for field devices connected to Schneider Electric Triconex safety PLCs. The FIM HART IP FDI communication server provides a connectivity to Triconex Intelligent Device Gateway Product which provides the required communication to the connected field instrumentation.

FIM Bridge Sensyflow FMT700-P /FMT200-ECO2 enables FIM to be the device management tool for ABB Sensyflow FMT700-P and FMT200-ECO field devices.

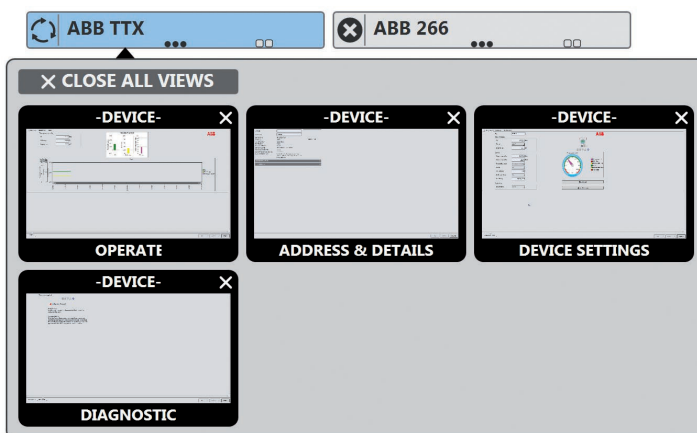
PA Profile 4.02 device package achieves interoperability between devices from different vendors and engineering efficiency. PA Profile 4.02 is typically used with Ethernet-APL PROFINET devices.

OPC UA Server Pub/Sub support to enable instrumentation condition monitoring solutions with Edgenius and Genix APM Predict. OPC UA Pub/Sub is the default OPC UA interface to Edgenius edge. Additionally new OPC UA Server setting is introduced to enable flexibility of FIM OPC UA Server security settings in combination with used OPC UA Clients.

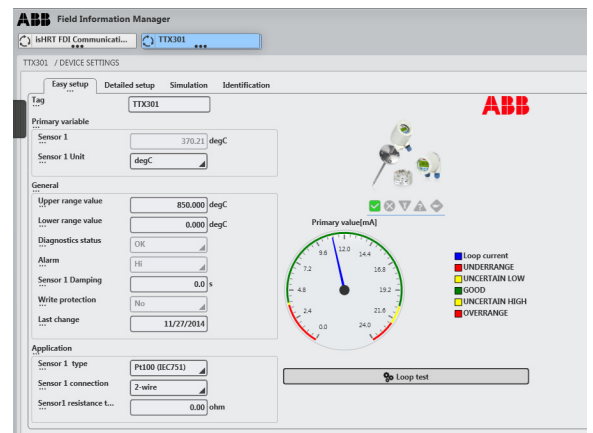
Backup scheduler, enables automatic backup based on a configurable time interval (every X days/weeks/months/year) and a time of the day (e.g., only at night).

01 Easy navigation: just switch between various views of the devices

02 FIM software



01



02

To find your local ABB contact visit:
abb.com/contacts

For more product information visit:
abb.com/fieldinfo

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