ABB Field Information Manager

Field Information Manager (FIM) 2.1 – Introduction and Key features

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Trends in Device Management Tools

- FDI is the latest Device Integration standard driving Digitalization & sensor to cloud connectivity

- Software tools must be easy to install, use & maintain

- Device Management tool enables Asset Optimization

- Flexible – from standalone in the field to integration into control systems, from Tablets to Laptops, PCs & Workstations
Device Management tools

Why ABB Field Information Manager?

– One simple tool for all needs
  • It can be used in an Engineering station, in the Field, back of the panel or in maintenance workshop
  • Quick to start – installs on Windows tablets and workstations, scans, identifies & enables access to device within 3 mins
  • Connects to Online drivers repository – eliminates the trial & error search of Device drivers

– Efficient engineering
  • Enables easy and efficient bulk device configuration of HART and PROFIBUS devices from a central location, enabled via device connectivity through System 800xA

– Latest device management technology for your field devices
  • Leverages FDI technology, which combines the simplicity of EDD and information richness of DTM
  • supports PROFIBUS DP through Thorsis Ethernet Gateway for connecting to S800 IO and PROFIBUS Devices
  • supports both legacy DDs and new FDI packages; i.e. one tool for existing and new devices
  • Fleet management and Asset management opportunities enabled via Connectivity to ABB Ability™ through OPC UA
ABB Field Information Manager

What’s new?

Improved User Interface
- Dashboard Overview about Device Health & Audit Trail information
- Compare view enabling device configuration comparison
- Field operator / technician notes as part of Audit Trail

More Field Connectivity's
- Direct PROFINET Connectivity and Select I/O, S800 on Ethernet connectivity
- Direct Connectivity to S800 HART Devices independent of Control System
- ABB UMC local port access and highly optimized FDI Device Package
- Connect to PROFIBUS devices through PROFIBUS modem

Empowering automatic updates
- Connection to ABB Online Driver cloud for driver updates
- Connection to FieldComm Group Driver cloud for 3rd party HART device drivers
Field Information Manager
One Simple tool for all needs

Flexible and simple architecture
- It can be used in an Engineering station, in the Field, back of the panel or in maintenance workshop
- Quick to start – installs on Windows tablets and workstations, scans, identifies & enables access to device within 3 mins

FIM is built on a high performance UI
- Same look and feel - The Device menu options can be accessed always in the same way, irrespective of the device make & model
- Native touch navigation or normal PC navigation (mouse, keyboard)

Connects to Online drivers repository – eliminates the trial & error search of Device drivers
- ABB Device Driver cloud
- Fieldcomm Group Device Driver cloud
Field Information Manager
Efficient engineering

Device Bulk Engineering
- Enables easy and efficient bulk device configuration of HART and PROFIBUS devices from a central location, enabled via device connectivity through System 800xA
- Supports templates with pre-configured parameters to be deployed to the field devices

Zero configuration
- Automatically uploads the hardware structure from the underlying systems
- Scans & assigns the appropriate device driver

Innovative UI enabling parallel engineering
- The UI supports multiple device views allowing the user to switch the view of the devices in a simple manner and manage multiple devices in a more efficient manner
Leverages FDI technology, which combines the simplicity of EDD and information richness of DTM
- Device Packages are not installed, but are just loaded in the machine
- FIM also supports UIP that enables graphic rich features like DTM
- FIM comes packed with Generic Device Packages that can be used with any HART device
- Additionally, FIM supports legacy HART DDs

Supporting Heritage and 3rd party systems
- supports PROFIBUS DP through Thorsis Ethernet Gateway for connecting to S800 IO and PROFIBUS Devices

FIM comes with an OPC UA server that connects to ABB Ability™
- Fleet management - Sensor configuration & diagnostic data is available without any additional configuration effort
- Enabler for digital opportunities – Remote service, remote verification, fleet reporting, analysis of sensor/actuator diagnostics
Field Information Manager (FIM)
Architecture & functionalities

Operations & Monitoring
Engineering
Maintenance
Asset Management

Plant-Network
Control-Network
Field-Network

Connectivities
- Standalone
- 800xA Gateway support
- 800xA Integration
- 800xA S800
- UMC support
- 800xA Select I/O
- 800xA S800 on Ethernet
- Cloud Integration
- ABB Ability™
- FIM Future
  - Efficient engineering
  - S+ Connectivity
FIM 2.1
Free trial, demonstration & training

FIM trial version is available for free download at our webpage
– Any user can register, download the tool & use it with a HART modem

Features of trial edition (Device Window Edition)
– Only 1 device tag
– Can be used with HART, PROFIBUS and PROFINET connectivities, but not with System 800xA

Training material
– FAQ section on our learning center
– Functionality specific short videos

FIM trial software download here:

CLICK HERE FOR YOUR FREE SOFTWARE DOWNLOAD OF ABB FIELD INFORMATION MANAGER.

www.abb.com/fieldinfo