

Rockwell Automation DTM Library Software for the 1756-IF16H Module

Version 1.001

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About the DTM Software and Version Update

The Rockwell Automation® DTM software for the 1756-IF16H module is a data type manager (DTM) for use with a ControlLogix® system containing 1756-IF16H HART analog I/O modules.

The DTM allows asset management software that is based on Field Device Tool technology (FDT), such as FactoryTalk® AssetCentre or Endress+Hauser FieldCare, to communicate with HART devices through the Logix architecture (that is, RSLinx® software and HART I/O modules).

Required System Components

The following table describes the system and software required to install the DTM software.

Component	Requirements
Operating System	Use one of the following operating systems to run the DTM software: <ul style="list-style-type: none"> • Windows XP operating system with Service Pack 2 • Windows 7 (32-bit) operating system
FDT Frame Applications Requirements	Rockwell Automation DTMs were tested for use in the following FDT Frame applications: <ul style="list-style-type: none"> • Rockwell Automation FactoryTalk AssetCentre software • Endress+Hauser FieldCare software • Pepperl & Fuchs PACTware software • M&M Software fdtContainer software
Backplane DTM	The RSLinx 1756 backplane DTM must be installed to connect to the 1756-IF16H DTM. This DTM is installed with the Rockwell Automation DTM Library Software for the 1756 Family. To download this DTM, go to http://compatibility.rockwellautomation.com/Pages/MultiProductFindDownloads.aspx?crumb=112&toggleState=&versions=51229 .
MSXML 4.0 Requirements	Microsoft XML Core Services (MSXML), version 4.0, is required.
Hard Disk	You need these hard disk space requirements: <ul style="list-style-type: none"> • Approximately 10 MB during operation • Approximately 30 MB during installation
Other System Resources	For the DTM to execute properly, the following system resources must be available: <ul style="list-style-type: none"> • CPU of at least P3, 500 MHz, or equivalent • Working memory (RAM) of at least 256 MB

Corrected Anomalies

This table lists the anomalies that were corrected with version 1.001.

Table 1 - Anomalies Corrected with Revision 1.001

Version	Description
1.001	Corrected: Corrected an anomaly where reinstalling the DTM after uninstalling may take an extended amount of time.

Known Anomalies

This table lists the known anomalies for versions 1.0.0.00...1.001.

Table 2 - Known Anomalies

Version	Description
1.001	Projects that contain different address numbers for devices and were created with a previous version of the 1756-IF16H module (version 1.0.0.5 or earlier) will not update automatically when opening. To correct this anomaly, remove and then re-add devices.
	Projects created with version 1.0.0.0 or earlier do not load their persisted data after upgrading, and must be manually reconfigured.
	Projects created with FieldCare software prior to revision 2.07 have issues closing the project, where FieldCare reports an error.
1.001, 1.0.0.0	If no RSLinx path has been entered into the RSLinx 1756 backplane DTM, and the 1756-IF16H DTM goes online, it cannot go offline or close properly. To correct this anomaly, close the frame and restart the project.
	If you open a saved project with a field device added to the 1756-IF16H Channel DTM, you can add another device to the same channel. Only once a device has been added and the project is still active, will the Channel DTM allow you to add another device DTM to the same channel.
1.0.0.0	Reinstalling the DTM after uninstalling may take an extended amount of time. This is due to the dependence on Microsoft C++ merge modules, which take an extended amount of time to install if previously uninstalled.

Install DTM Software

Complete the following tasks to install the DTM software.

1. Double-click the Rockwell Automation 1756-IF16H DTM 1.001 Setup.exe file.

The setup wizard opens.

2. Click Next to continue the installation.
3. Carefully read the license agreement.
4. To agree with the terms of the license, click I Agree.

The installation begins.

5. When the setup wizard indicates that the installation is complete, click Next.
6. Click Finish.

Update the DTM Catalog

After you have installed the DTM software, you must update the DTM catalog in the Endress+Hauser FieldCare or FactoryTalk AssetCentre software.

Update with FieldCare Software

Complete these steps to update the DTM catalog.

1. Open the FieldCare software.
2. From the Tools menu, choose DTM Catalog.
3. Click Update.

The software searches for and displays the DTMs.

4. Select the newly-installed DTMs and click Move.
The selected DTMs are added to the catalog.
5. Click OK to save your changes and exit.

Update with FactoryTalk AssetCentre Software

Complete these steps to update the DTM catalog.

1. Open the FactoryTalk AssetCentre Software.
2. From the menu bar, select Tools > DTM Catalog.
3. Click Scan.

The software searches for and installs the new DTMs.

Additional Resources

These documents contain additional information concerning related products from Rockwell Automation.

Resource	Description
ControlLogix HART Analog I/O Modules User Manual, publication 1756-UM533	Describes how to install, configure, and troubleshoot your ControlLogix HART analog I/O modules.
ControlLogix System User Manual, publication 1756-UM001	Describes the necessary tasks to install, configure, program, and operate a ControlLogix system. It also includes information about the use of HART networks and modules.
1756 ControlLogix I/O Specifications, publication 1756-TD002	Provides specifications for ControlLogix I/O modules.
PlantPAx Process Automation System Selection Guide, publication PROCES-SG001	Guides you through the selection of system elements for creating a bill of materials for ordering your PlantPAx™ system.
Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1	Provides general guidelines for installing a Rockwell Automation® industrial system.
Product Certifications website, http://www.ab.com	Provides declarations of conformity, certificates, and other certification details.

You can view or download publications at <http://rockwellautomation.com/literature>. To order paper copies of technical documentation, contact your local Allen-Bradley distributor or Rockwell Automation sales representative.

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