
FactoryTalk[®] Historian ME

FactoryTalk Historian Machine Edition (ME)

ControlFLASH Upgrade Guide, Release 2.2, Firmware 3.1

1756-HIST1G, 1756-HIST2G

About This Publication

This document provides information about how to upgrade and reinstall your FactoryTalk Historian ME module firmware using the ControlFLASH firmware kit, version 7.00.09. The differences between an upgrade of the firmware, and a complete install (or reinstall) of the firmware are described in the table below:

Type of Task	Description	Installation File
Flash Install	Installs updated binary files. Deletes all log files, module configuration data, and archive files, returning the module to factory settings.	FTHistorian-ME-02.20.00.xxxx-controlflash.msi, where xxxxx is the build number.
Flash Upgrade	Installs updated binary files. Deletes all log files. Preserves: <ul style="list-style-type: none">• Module configuration data• Archive files	FTHistorian-ME-02.20.00.xxxx-controlflash.msi, where xxxxx is the build number.

This guide includes the following sections:

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Before You Begin

This section includes:

- Best Practice Suggestion on page 2
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Best Practice Suggestion

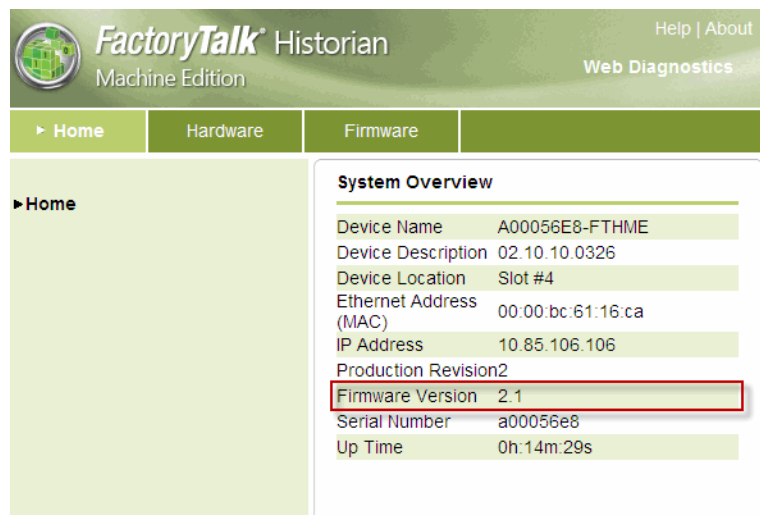
As a best practice, we suggest that you back up your module configuration and download the backup configuration file to your client computer before performing an upgrade. Click Configure Historian > Backup and Restore to perform a backup. Click [Backup] to back up the module configuration. Click [Download] to save the backup file to your client computer.

Upgrade Prerequisites

To flash the module firmware you must have at minimum RSLinx Classic software installed. In addition, you must do the following before upgrading:

- In the module web interface:
 - Stop Data Collection (Configure Historian > Data Collection) and Data Transfer (Configure Historian > Data Transfer).
- Go to the module's Web Diagnostics web interface by opening a web browser and entering `http://<ModuleIP_address>:8080`.
 - Record the firmware version number from the Home page.

Module Information	Current Version Number
Firmware Version	



- Package and download all log files.
 - (When upgrading or reinstalling from 3.1 to 3.1) Click Admin > Download Logs. To access the Admin section of the Web Diagnostics interface, you must have the admin login and password available. The default is admin/admin. Package and download all log files.

- (When upgrading or reinstalling from 2.1 to 3.1) Click Firmware > Logs Download. Package and download all log files.

All Logs Package Download/Delete

Existing Packaged Log File	N/A
Package Time	N/A
Size	N/A

Package Logs

- Identify the network path across the backplane in the local chassis from the network module to FactoryTalk Historian ME as defined in RSLinx Classic. This is not the path through the front port of the module. To view the network path across the backplane, see the image in step 4 on page 8.
- Log out and disconnect all clients (including web clients).

Locate the Firmware

The firmware bundle is located on the Rockwell web site.

1. Go to the Flash Firmware Updates site at <http://support.rockwellautomation.com/ControlFlash/>. The Flash Firmware Updates page displays:

FLASH FIRMWARE UPDATES
(Page 1 of 3)

Select Product
The table below lists flash firmware files and release notes for each version of the programming software. You can download these files if your software product qualifies for support.

Suggestions for downloading:
We recommend you view the technical release notes, posted as viewable PDF files, before downloading. To save time, you can download select firmware bundles 1 and Redundancy.

For ControlLogix, the motion and processor flash firmware **must be updated lock-step** with the RSLogix 5000 version. For other modules, you only need to update the release note. We do not recommend updating these other modules ahead of the programming software as it may not be compatible.

EDS files:
EDS files may be required by the version of network configuration software that you are using. EDS files are not provided in the downloads from the table below. E

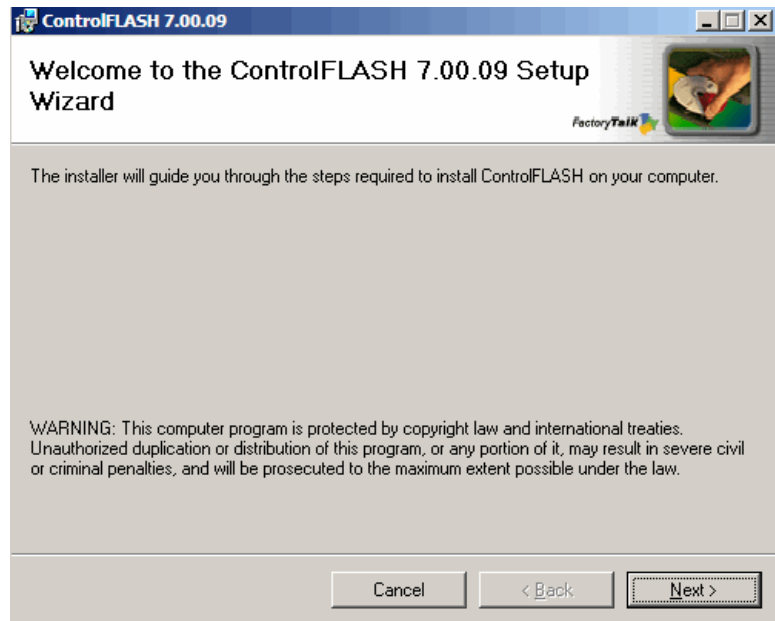
Firmware Updates		7/31/2008	2/14/2007	6/29/2005	6/15/2005	4/19/2004	6/30/2003	8/9/2002	12/22/2001	11/19/2001
RSLinx		Ver: 2.54.00 Build: 11 (CPR 9 SR1)	Ver: 2.51.00. Build: 21 (CPR7)	Ver: 2.50.00 Build: 20 (CPR7)	Ver: 2.43.01 Build: 23	Ver: 2.42.00 Build: 18	Ver: 2.41.00 Build: 10	Ver: 2.31.00 Build: 10	Ver: 2.30.02 Build: 79	Ver: 2.40.01 Build: 16
RSNetworx CNET		Ver: 9.00.00. Build: 24 (CPR 9 SR 1)	Ver: 8.00.00 Build: 15 (CPR7)	Ver: 6.00.00 Build: 97 (CPR6)	Ver: 5.11.00 Build:	Ver: 4.21.00 Build: 50	Ver: 4.11.00 Build: 47	Ver: 3.23 Build:	Ver: 3.21.00 Build: 43	Ver: 3.22 Build:
RSNetworx DNET		Ver: 9.00.00 Build: 24 (CPR 9 SR 1)	Ver: 8.00.00 Build: 15 (CPR7)	Ver: 6.00.00 Build: 97 (CPR6)	Ver: 5.11.00 Build:	Ver: 4.21.00 Build: 50	Ver: 4.12.00 Build: 1	Ver: 3.21.00 Build: 27	Ver: 3.21.00 Build: 27	Ver: 3.21 Build:

2. Scroll down to locate the firmware bundle for FactoryTalk Historian ME (1756-HIST1G or 1756-HIST2G), and click on the disk icon. After clicking on the icon, you will be prompted for a serial number. You need to use your RSLogix5000 Serial number to qualify for this update. Once you successfully qualify, you can download the zip file.

Install the ControlFLASH Software

After completing the preparation described in the *Before You Begin* section, follow these steps to install the ControlFLASH software.

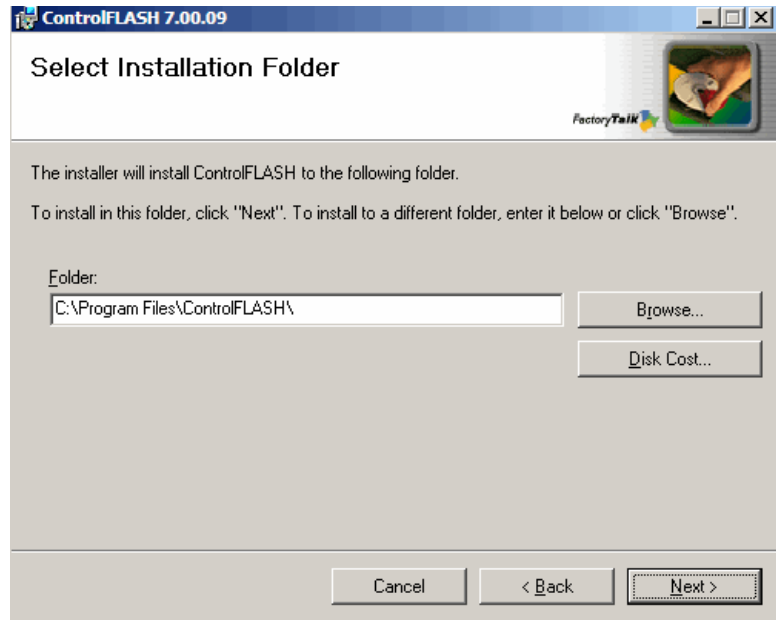
1. To run the ControlFLASH Setup Wizard, double-click the ControlFLASH.msi file you want to run.
2. At the Welcome to ControlFLASH setup screen, click [Next].



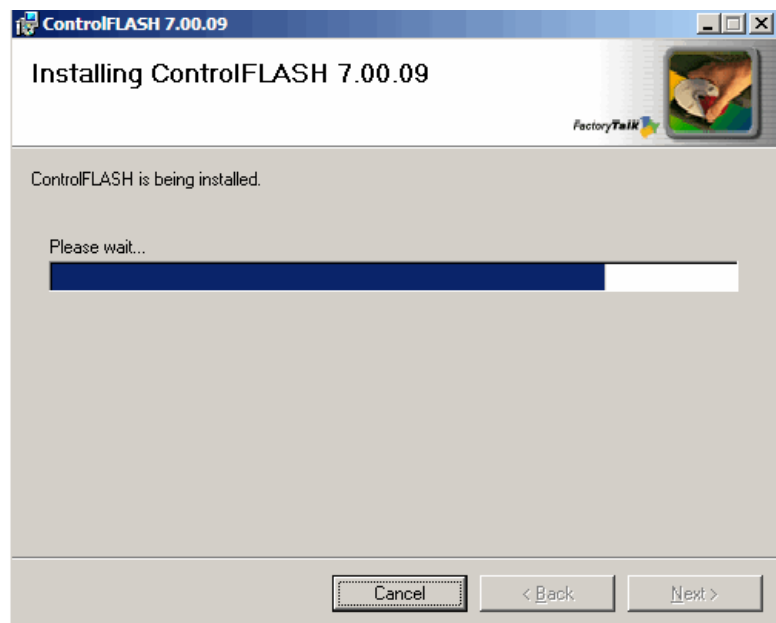
3. Select "I Agree" and click [Next] to accept the license agreement.



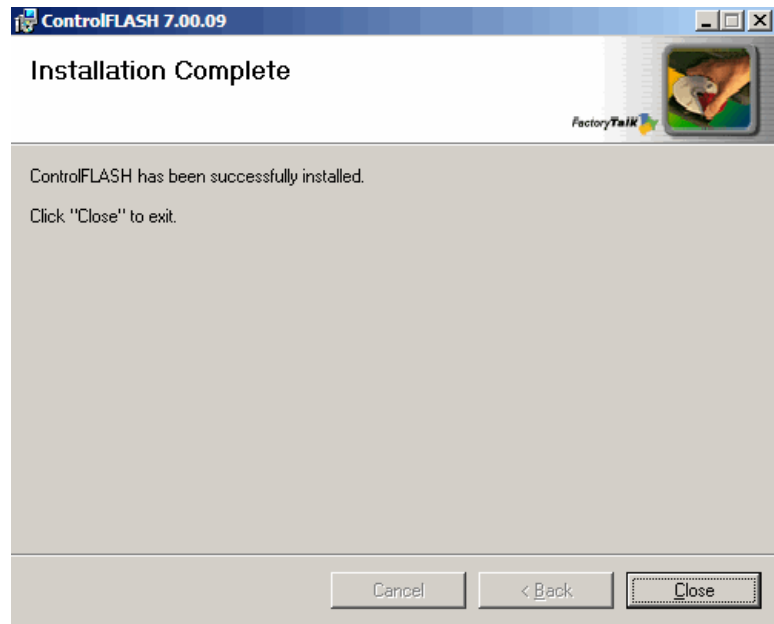
4. Enter a path, browse to a folder, or click [Next] to accept the default location.



5. Click [Next] to start the installation. A status bar will display the installation progress.



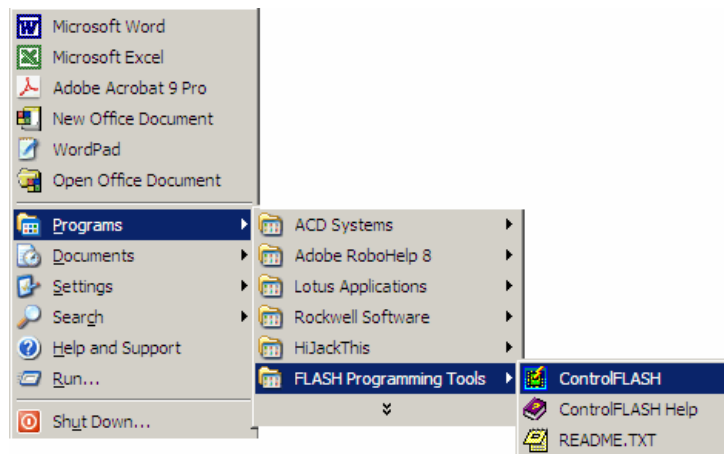
6. At the Installation Complete screen, click [Close] to exit.



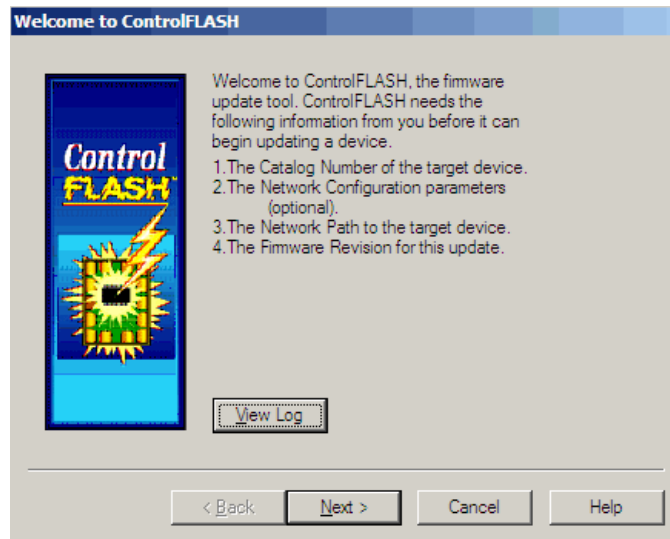
Perform the Firmware Upgrade

After completing the preparation described in the *Before You Begin* section, follow these steps to perform the firmware installation.

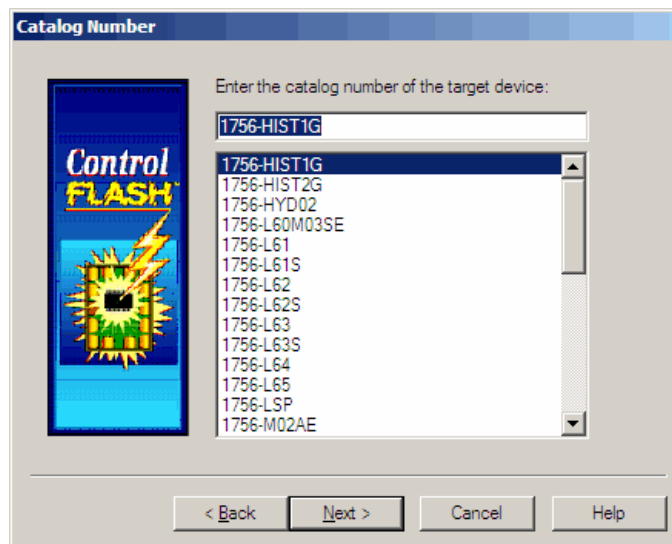
1. Launch the ControlFLASH software. From the Windows Start menu, select Programs > FLASH Programming Tools > ControlFLASH.



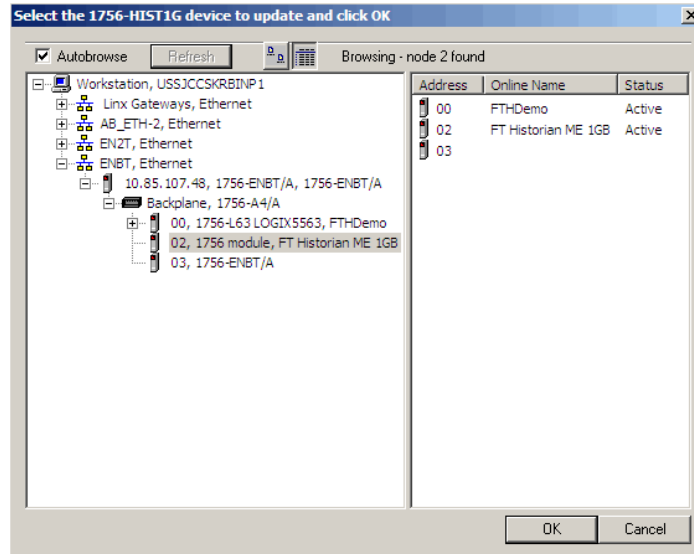
- At the Welcome to ControlFLASH dialog box, ensure that you have the required information, and click [Next].



- In the Catalog Number dialog box, select 1756-HIST1G or 1756-HIST2G (depending on your module type) and click [Next].



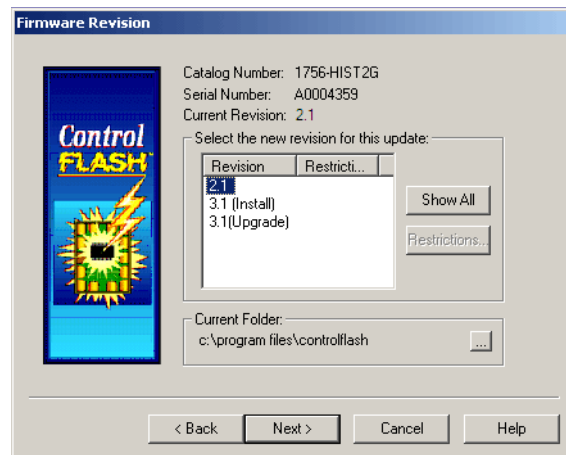
- Browse to the device that you want to upgrade. Select the device and click [OK].



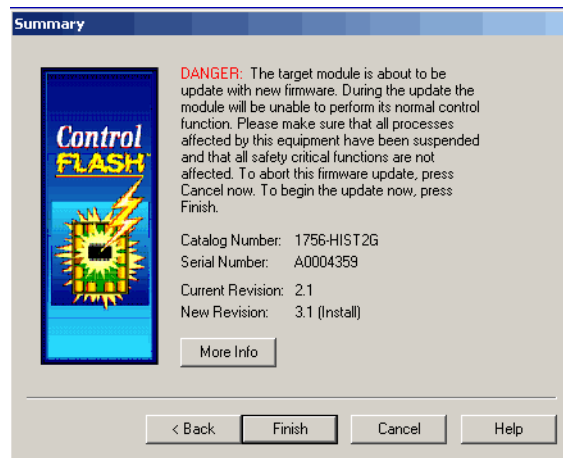
- In the Firmware Revision dialog box, several available revision numbers are listed. Select the firmware revision number you want to install and click [Next].



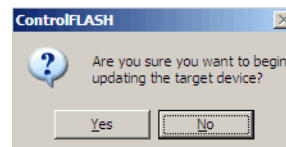
Clicking a firmware revision number with (Install) next to it will not only install updated binary files and delete all log files, it will delete all module configuration data and archive files, returning your module to its factory default state. If you want to preserve your module configuration data and archive files, select a firmware revision number with (Upgrade) next to it.



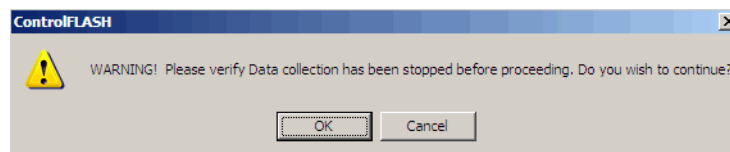
- In the Summary dialog box, read the DANGER! information, and click [Finish] to upgrade your module. Click [More Info] to read more about the revision you select.



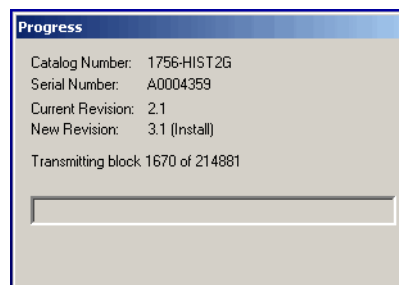
- A ControlFLASH popup box displays asking for confirmation to update the target device. Click [Yes] to proceed.



- A ControlFLASH popup box displays reminding you to verify that Data Collection has been stopped on your module. Click [OK] to proceed.



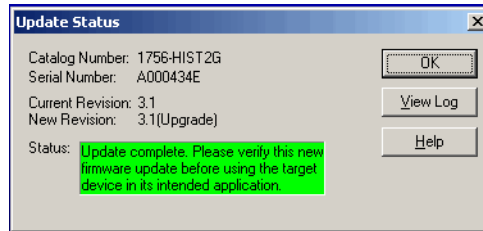
A Progress screen will display.



The firmware upgrade may take 20 minutes or more to complete. After the upgrade is complete, the Update Status dialog box opens.

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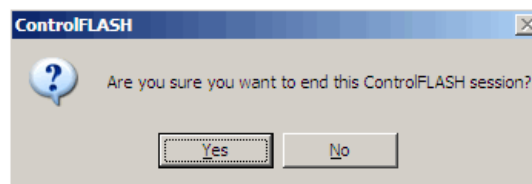
If the upgrade is successful, the Status box is green. If it is unsuccessful, it is red. Retry the upgrade procedures until the Status box is green. If it is still unsuccessful after several attempts, contact Rockwell Technical Support.



9. Click [OK]. The Welcome window opens again. Click [View Log] if you want to read a history of programming events.
10. Click [Cancel] to end the session.



11. A ControlFLASH dialog box displays confirming that you want to end this flash upgrade session. Click [Yes] to complete the installation.



12. Go to the module's web interface and log in.



The Status page under the Home tab contains the firmware version number for you to verify.



Module Information	
Name	A0004359-FTHME
Firmware Version	3.01
Current Time	10/28/2010 09:17:39 PDT
Up Time	0 Days, 00:02



If you used the ControlFLASH firmware kit to upgrade the firmware, then the upgrade preserved all user configuration settings. If you performed a complete install or reinstall of the firmware, then all user configuration settings and archive files were deleted and the module was returned to factory settings. If you performed an upgrade and wish to restore the module to its factory settings, go to Advanced > Restore Defaults or use the Add-on Profile (AOP) in RSLogix 5000.



Once you have used the ControlFLASH firmware kit to upgrade or reinstall the firmware, Rockwell Automation strongly recommends that you upgrade your Client Tools to version 2.2. Please refer to the Client Tools Release Notes, the *FactoryTalk Historian ME QuickStart Guide*, or the *FactoryTalk Historian ME User's Guide* for more information.

Updates and Application Notes

Rockwell Automation provides technical information on the web to assist you in using its products. Refer to our extensive online knowledgebase for the most current information about FactoryTalk Historian ME. Visit <http://www.rockwellautomation.com/resources/support.html> and select the Knowledgebase link to:

- View technical and application notes.
- Obtain software patches and firmware updates.
- Subscribe to product and service e-mail notifications.
- Ask questions.

For an additional level of technical phone support for installation, configuration, and troubleshooting, we offer TechConnect support programs. For more information, contact your local distributor or Rockwell Automation representative, or visit <http://www.rockwellautomation.com/support/>.

Additional Resources

These documents contain additional information for FactoryTalk Historian ME. You can view or download publications from the Client Tools CD-ROM shipped with your FactoryTalk Historian ME module.

Note: Please see the *FactoryTalk Historian ME User's Guide* for the most up-to-date information.

Publication	Description
<i>ControlFLASH Firmware Upgrade Kit Quick Start Guide</i> (1756-QS105C-EN-E)	Provides detailed information about the firmware upgrade kit.
<i>FactoryTalk Historian ME Release Notes</i> (1756-RN106A-EN-E)	Describes the FactoryTalk Historian ME known anomalies.
<i>FactoryTalk Historian User's Guide</i> (1756-UM106A-EN-E)	Explains how to configure, administer, and use your FactoryTalk Historian ME features. This manual includes a detailed chapter on web diagnostics as well as sample scenarios for data transfer and FactoryTalk Directory integration.
<i>FactoryTalk Historian ME Quick Start Guide</i> (1756-QS106A-EN-P)	Describes how to quickly install and configure FactoryTalk Historian ME so that users can start collecting and viewing data without having to configure all features. The quick start guide is provided as a printed manual.
<i>FactoryTalk Historian ME Installation Instructions</i> (1756-IN106A-EN-P)	Explains how to install FactoryTalk Historian ME. It also includes environmental testing and certification information. The installation guide is provided as a printed manual.

Publication	Description
<i>FactoryTalk Historian ME Online Help</i>	Describes the FactoryTalk Historian ME web interface in detail. Access the help files by clicking the <i>About...</i> links in the left-side navigation bar of the individual web interface pages and by clicking the main <i>Help</i> link located in the upper right-hand corner of the web interface.
<i>FactoryTalk Historian ME Web Diagnostics Help</i>	Describes the FactoryTalk Historian ME Web Diagnostics interface, which displays information on the product's firmware applications and hardware components. Access the help files by clicking the main <i>Help</i> link located in the upper right-hand corner of the Web Diagnostics interface.
<i>FactoryTalk Historian ME Client Tools Release Notes</i>	Describes the items shipped on your FactoryTalk Historian ME Client Tools CD. Access this help by clicking Open Release Notes on the Client Tools welcome page.

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