Installation Instructions

Original Instructions

PowerMonitor 5000 Unit Firmware Revision Update

Catalog Numbers 1426-MxE-xxx

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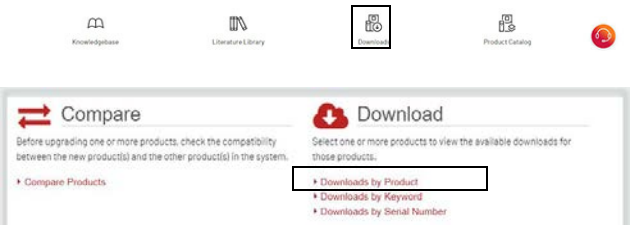
This manual provides instructions for updating the firmware revision for the PowerMonitor™ 5000 unit. Additional information can be found in the Maintenance chapter of the PowerMonitor 5000 Unit User Manual, publication 1426-UM001.

IMPORTANT Before starting, verify that the appropriate network connections are made and that a driver for the network is configured in RSLinx® Classic software.

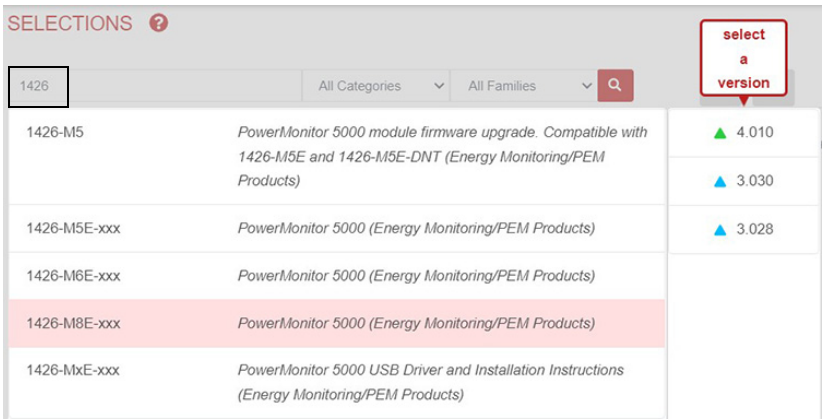
Access Product Firmware Revision

All PowerMonitor 5000 firmware release notes are available online with the Product Compatibility and Download Center.

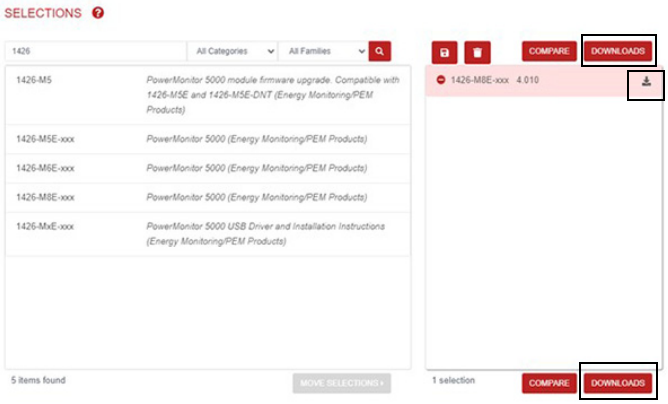
1. From rockwellautomation.com, click Downloads, then click Downloads by Product.



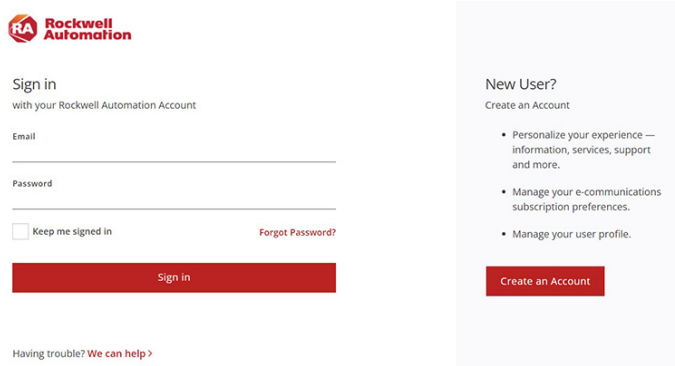
2. Search for and choose your product.



3. Click Downloads or click .

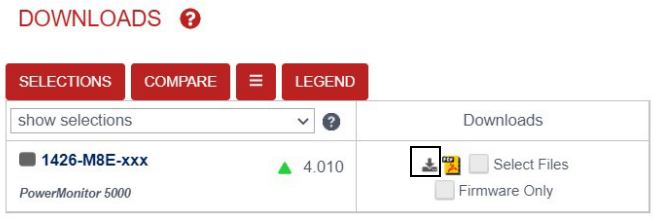


4. Before you can download the firmware, you must sign-in to your account.

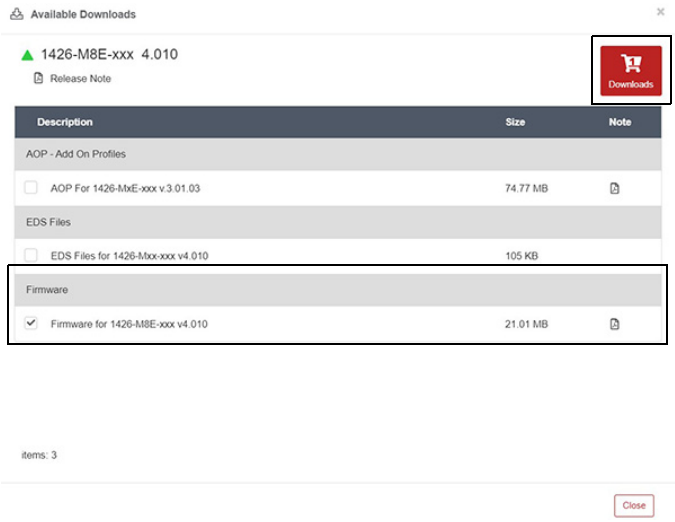


After you Sign-in, if you clicked Downloads, the Downloads window appears.

5. Click .

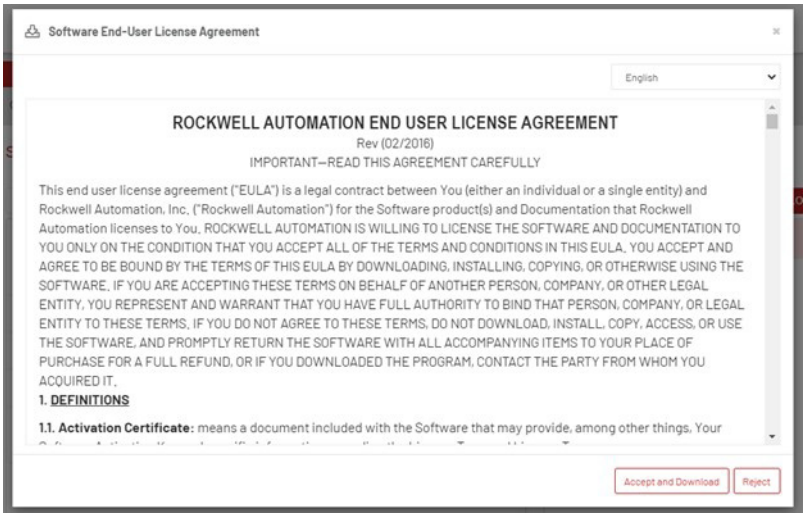


6. On the Available Downloads dialog box, click the firmware checkbox.
The firmware file is added to the Downloads Cart.

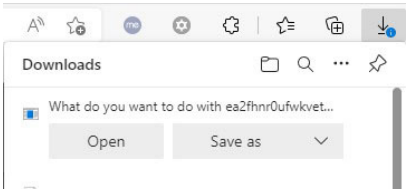


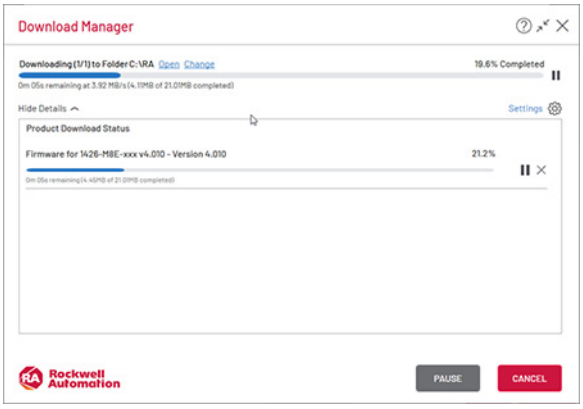
7. Click the Download Cart and verify that the firmware is ready to download, then click Download Now.

8. Read and accept the Rockwell Automation End User License Agreement.



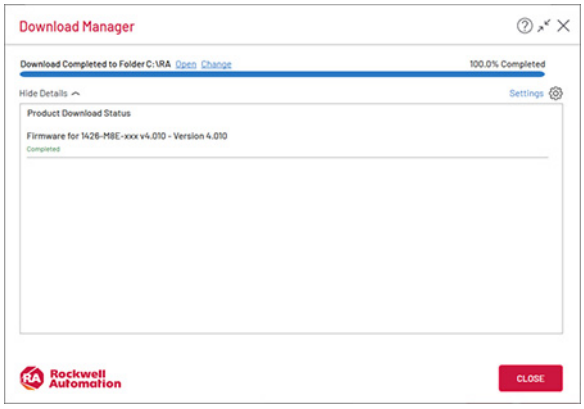
9. The download dialog box opens, click Open to start the download.





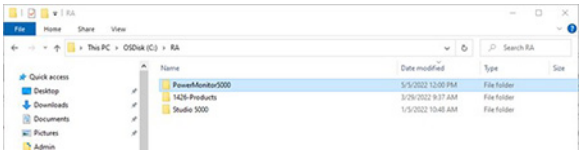
The Download Manager shows the download progress.

10. Once the download is complete, click Close and proceed to Installing Firmware Revision 4.010 or Earlier on page 4 or Installing Firmware Revision 4.015 or Later on page 5.



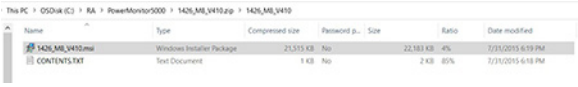
Installing Firmware Revision 4.010 or Earlier

1. Once the download is complete, open the Download folder.
2. In the Download folder, double-click the PowerMonitor 5000 folder.

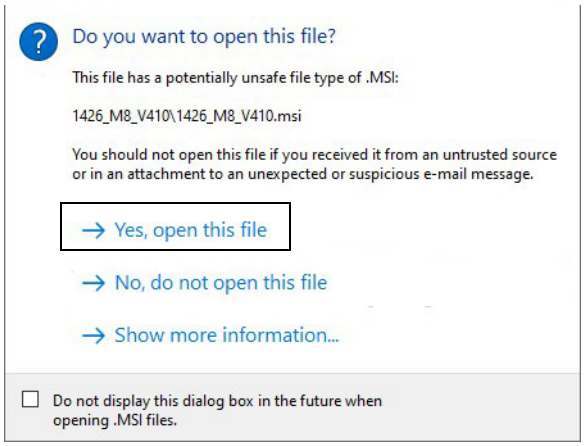


3. Open the file in the PowerMonitor 5000 folder by double-clicking the filename.
   This example shows the 1426_M8_V410.zip file.

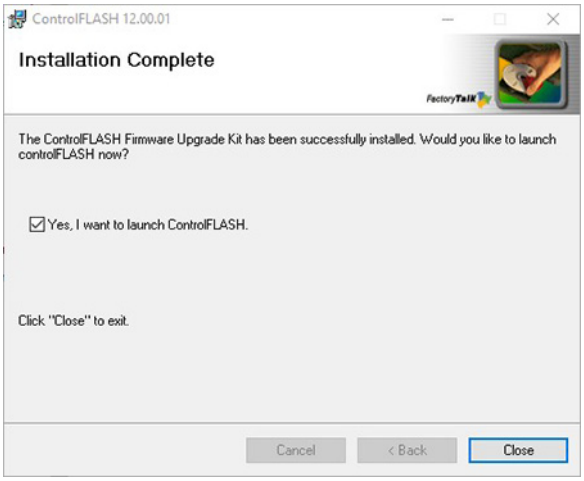
4. Open the Windows® Installer Package file in the folder by double-clicking the file with the 'msi' extension.
   This example shows the Windows Installer Package file 1426_M8_v410.msi.



5. If this dialog box appears, click Yes.



6. Check Yes, I want to launch ControlFLASH™ software and click Close.



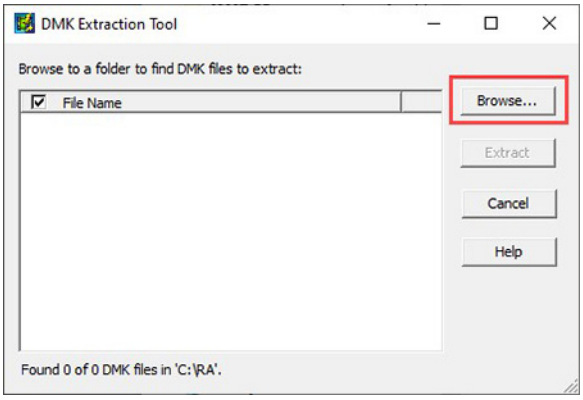
The ControlFLASH software opens.

Directions on updating the firmware revision are found in the Update the Device Firmware Revision with the ControlFLASH Software section.

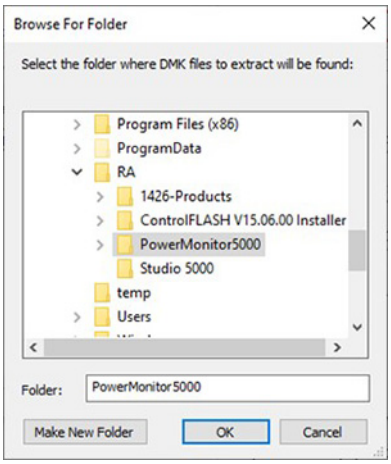
Installing Firmware Revision 4.015 or Later

We recommend you use ControlFLASH software version 15.06.00 or later to install firmware revision 4.015.

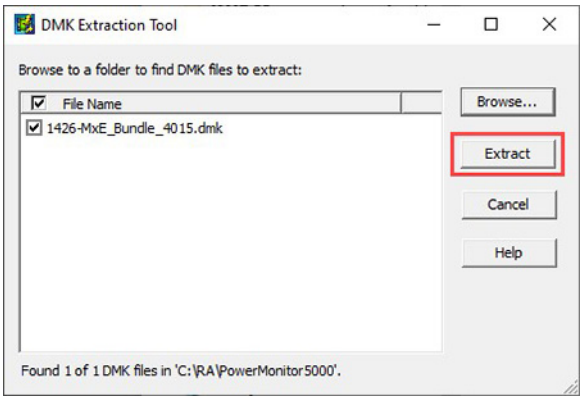
1. Open the DMK Extraction Tool on your computer.
   The DMK Extraction Tool is typically installed with ControlFLASH software.
2. Click Browse.



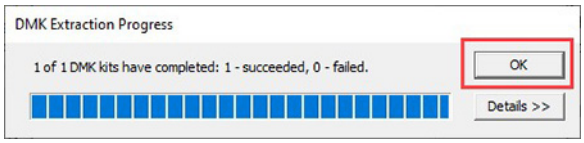
3. Navigate to the folder that has the DMK file you want to extract and click OK.



4. Click Extract.



5. Once the extraction is complete, click OK.



6. Close the DMK Extraction Tool.
7. Launch ControlFLASH software.

Update the Device Firmware Revision with the ControlFLASH Software

IMPORTANT The ControlFLASH software does not update the firmware if any Class 1 connections (generic or electronic data sheet (EDS) Add-on Profile (AOP) connections) exist. A connection exists if the Network status indicator is either steady green (connection active) or flashing red (connection timed out). Use the Studio 5000 Logix Designer® application to connect to the controller that owns each connection and inhibit the connection. After successfully updating the power monitor firmware, you can uninhibit the connections. Note that you can edit connection properties to reflect the new power monitor firmware revision.

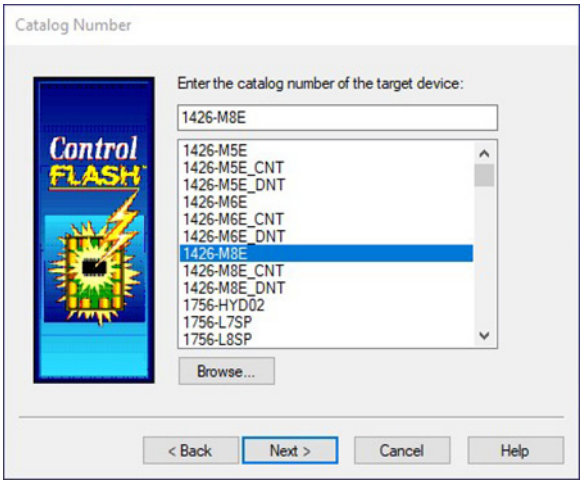
One of the following communications software packages must be installed before running ControlFLASH software:
- RSLinx Classic Lite
- RSLinx Classic
- RSLinx Enterprise version 6.20 or FactoryTalk® Linx 6.20

When updating the firmware revision, refer to the Access Product Firmware Revision section for instructions on how to obtain the latest firmware revision from the Rockwell Automation download center.

1. On the Welcome to ControlFLASH dialog box, click Next.

2. Select the current catalog number of the device, which is based on the communication type, and click Next:
   - See the Determine Communication Type section to find the relevant catalog number based on the communication type.
   - See the Catalog Number Format section for an explanation of the catalog number format.

IMPORTANT There are three catalog number options that are provided, based on the communication type: Ethernet, ControlNet®, and DeviceNet®. However, you must select only one option that relates to the communication type in your PowerMonitor 5000 unit. See the Determine Communication Type section for more details on how to select the correct catalog number.

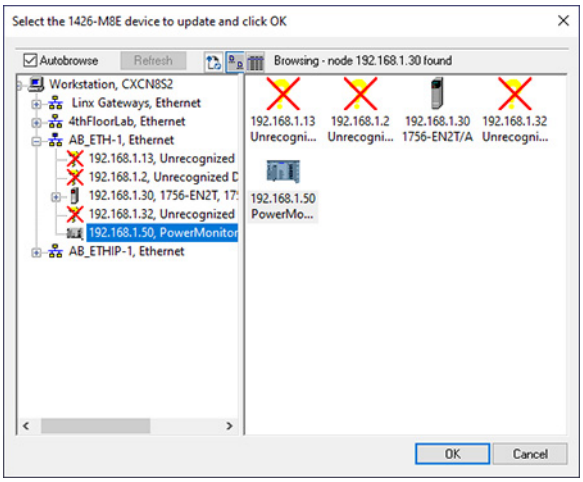


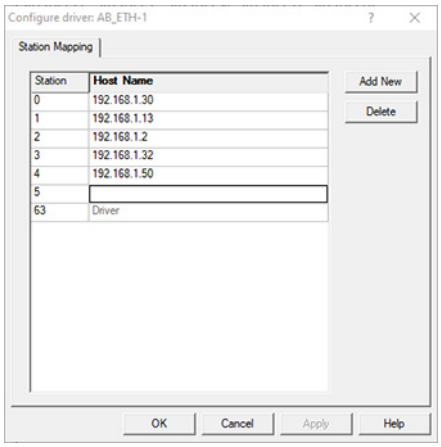
3. In RSLinx software, navigate to the IP address of the device over the Ethernet network, select the device, and click OK.

   To update the firmware revision over the ControlNet or DeviceNet network, navigate to the device through the network scanner in the RSLinx software dialog box.

   To update the firmware revision via a USB connection, an RNDIS driver must be installed. See the PowerMonitor 5000 USB Driver Installation and Configuration Installation Instructions, publication 1426-IN001, for directions on how to install the driver.

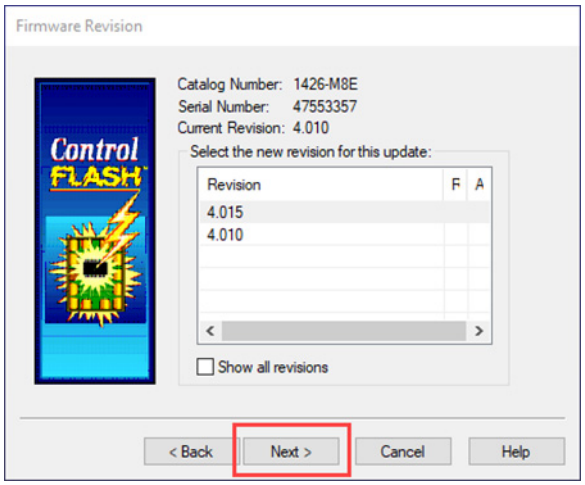
To access the device IP address, the IP address must be added to the Ethernet device's driver address list in RSLinx software.



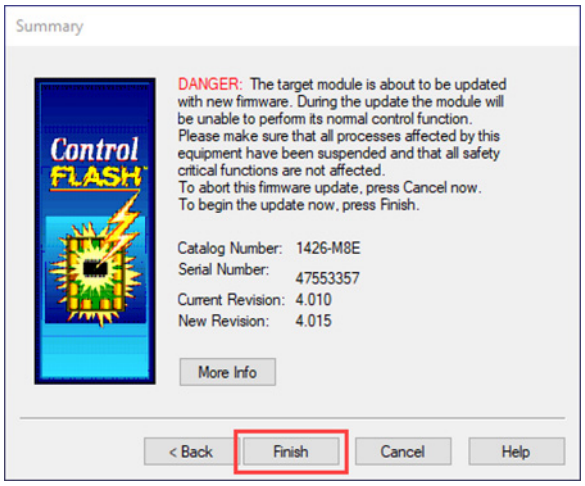


4. Select the new firmware revision number of the device and click Next.

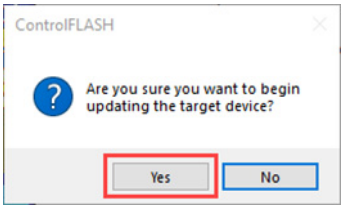
For the ControlFLASH software, version 11 or later, the firmware revision has the following format, 4.xxx. Therefore, firmware revision 4.10 appears as 4.010 in the ControlFLASH software.



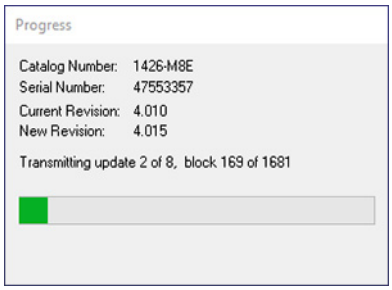
5. In the Summary dialog box, click Finish.



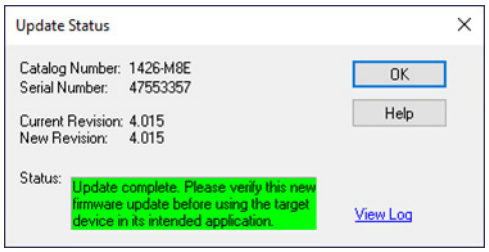
6. In the dialog box regarding updating the target device, click Yes.



The device starts the firmware update process.



7. In the Update Status dialog box, click OK to confirm that the update is complete.



8. To confirm that the firmware revision is updated correctly, check the device webpage.
9. Exit the ControlFLASH software.

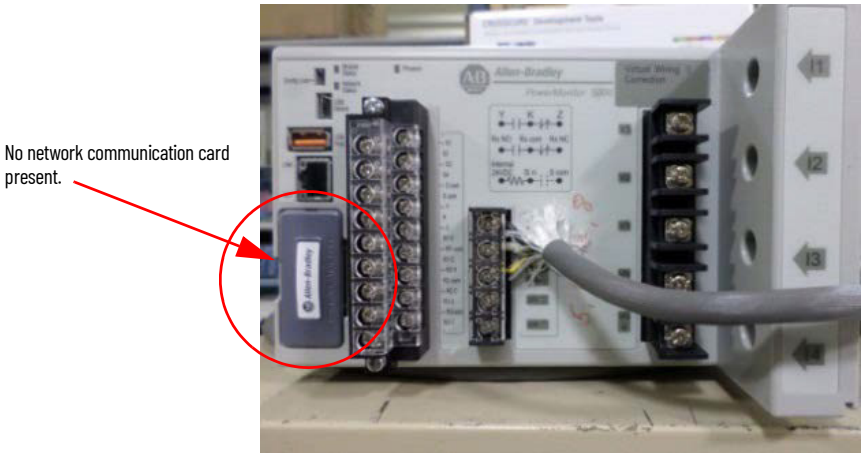
Determine Communication Type

There are two options to determine the catalog number based on the communication type of the device:

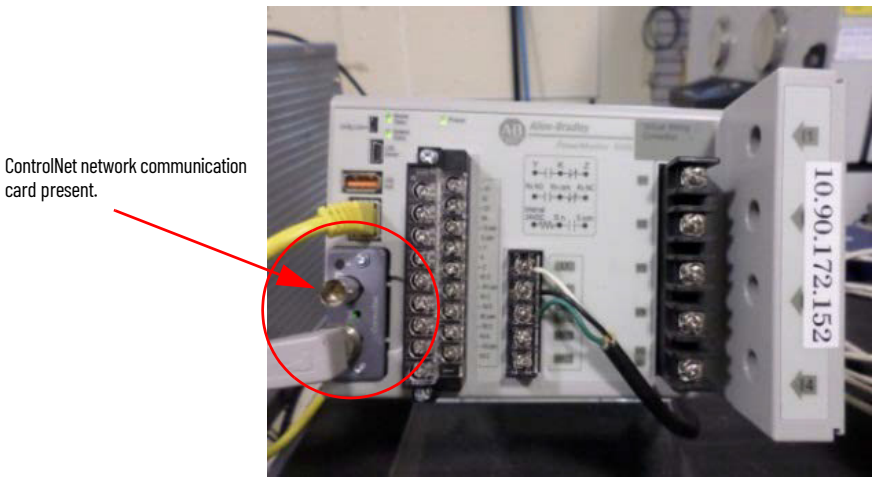
- Visual inspection
- View the PowerMonitor 5000 webpage

Option 1: Visual Inspection

- If there is no communication card present in the card slot, the PowerMonitor 5000 unit has the catalog number format 1426-MxE.

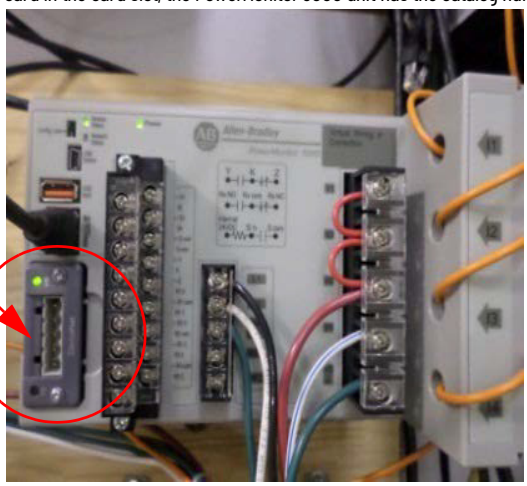


- If there is a ControlNet communication card in the card slot, the PowerMonitor 5000 unit has the catalog number format 1426-MxE-CNT.



- If there is a DeviceNet communication card in the card slot, the PowerMonitor 5000 unit has the catalog number format 1426-MxE-DNT.

DeviceNet network communication card present.



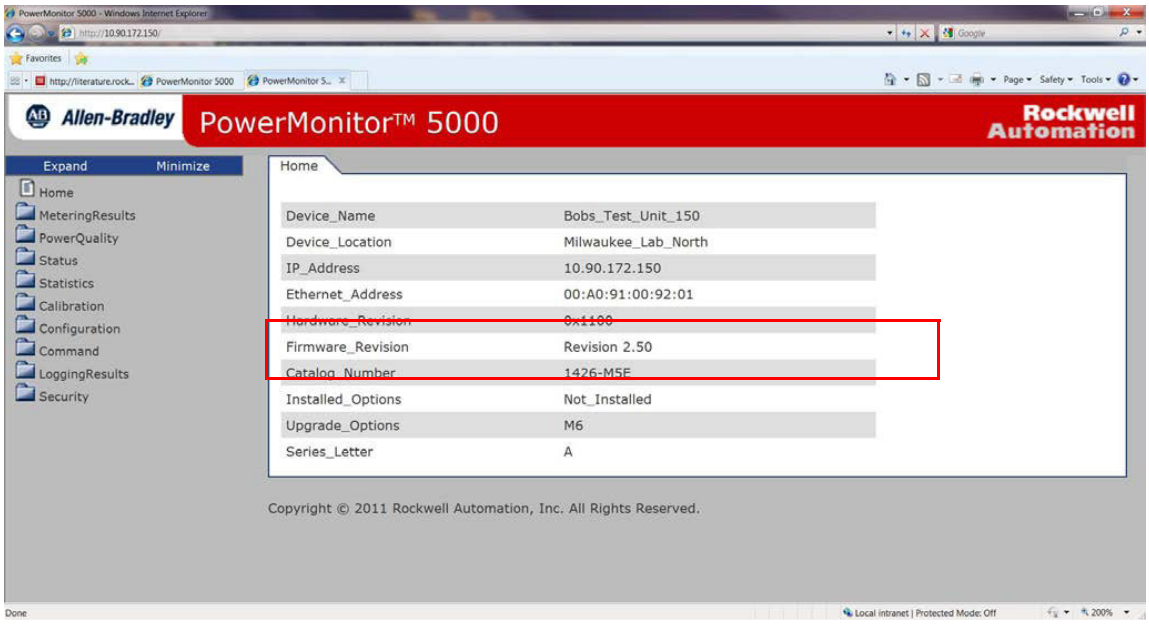
Option 2: View the PowerMonitor 5000 Webpage

The PowerMonitor 5000 webpage can be accessed in the following ways:

- Ethernet: If the PowerMonitor 5000 unit is able to communicate through an Ethernet network, search for the device's IP address in an Internet web browser. The catalog number and installed communication type are listed on the home page as shown on page 10.
- USB: If the PowerMonitor 5000 unit is connected with a USB cable, search for the default device's IP address 192.168.169.3 in an Internet web browser. The catalog number and installed communication type are listed on the home page as shown on page 10.

To access the device's webpage through a USB cable, an RNDIS driver must be installed on the computer. See the PowerMonitor 5000 USB Driver Installation and Configuration Installation Instructions, publication 1426-IN001, for directions on how to install the driver.

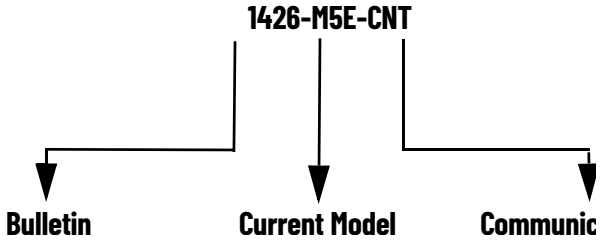
If a field-installed optional communication card is added to the device, the webpage does not reflect the change in communication card information. In this case, use the Option 1: Visual Inspection method.



Catalog Number Format

In the ControlFLASH software, the catalog number options are based on the model number (for example, M5E or M6E) and the communication type: Ethernet (E); ControlNet (CNT), or DeviceNet (DNT).

Figure 1 - Catalog Number Example



Additional Resources

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

Resource	Description
PowerMonitor 5000 Unit User Manual, publication 1426-UM001	Provides information on installing and configuring the PowerMonitor 5000 unit.
PowerMonitor 5000 USB Driver Installation and Configuration Installation Instructions, publication 1426-IN001	Provides instructions for installing the USB driver.
Product Certifications website, rok.auto/certifications	Provides declarations of conformity, certificates, and other certification details.

You can view or download publications at rok.auto/literature.

Rockwell Automation Support

Use these resources to access support information.

Technical Support Center	Find help with how-to videos, FAQs, chat, user forums, and product notification updates.	rok.auto/support
Knowledgebase	Access Knowledgebase articles.	rok.auto/knowledgebase
Local Technical Support Phone Numbers	Locate the telephone number for your country.	rok.auto/phonesupport
Literature Library	Find installation instructions, manuals, brochures, and technical data publications.	rok.auto/literature
Product Compatibility and Download Center (PCDC)	Download firmware, associated files (such as AOP, EDS, and DTM), and access product release notes.	rok.auto/pcdc

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Waste Electrical and Electronic Equipment (WEEE)

At the end of life, this equipment should be collected separately from any unsorted municipal waste.

Rockwell Automation maintains current product environmental compliance information on its website at rok.auto/pec.

Rockwell Otomasyon Ticaret A.Ş. Kar Plaza İş Merkezi E Blok Kat:6 34752 İçerenköy, İstanbul, Tel: +90 (216) 5698400 EEE Yönetmeliğine Uygundur

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AMERICAS: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444
EUROPE/MIDDLE EAST/AFRICA: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640
ASIA PACIFIC: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

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