

## PowerMonitor 5000 USB Driver

Bulletin Number 1426

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### Overview

The USB device port can be used to create a temporary, point-to-point connection between a personal computer and the PowerMonitor™ 5000 unit. This connection is used for configuration, data monitoring, diagnostics, and maintenance by using the built-in web pages from the unit. The USB device port is a standard USB Mini-B receptacle. Install drivers to enable USB communication.

To connect your personal computer to the PowerMonitor 5000 unit, use a standard USB cable with a Type-A and Mini-B male plugs.

## Summary of Changes

This publication contains new and updated information as indicated in the following table.

Topic	Page
Added the procedure to download a driver.	2
Updated Install Drivers topic.	7

## Download the USB Driver

To download the USB driver, follow these steps.

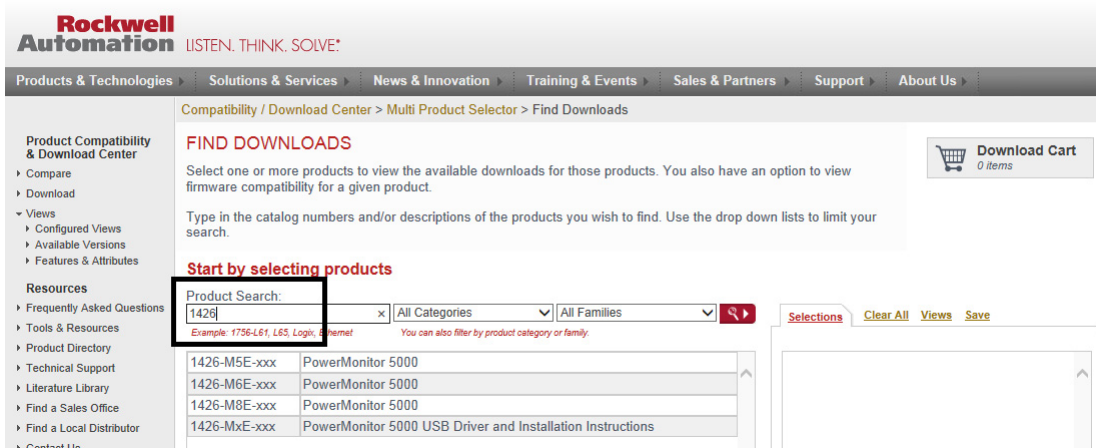
1. Navigate to <http://compatibility.rockwellautomation.com/Pages/MultiProductDownload.aspx?crumb=112> and click sign in.

The screenshot shows the Rockwell Automation website interface. At the top right, there are links for 'Sign In' and 'Become a Member'. Below the navigation bar, the breadcrumb trail reads 'Compatibility / Download Center > Multi Product Selector > Find Downloads'. The main content area is titled 'FIND DOWNLOADS' and includes instructions: 'Select one or more products to view the available downloads for those products. You also have an option to view firmware compatibility for a given product.' Below this, there is a 'Start by selecting products' section with a 'Product Search:' form. The form includes a search input field, dropdown menus for 'All Categories' and 'All Families', and a search button. A 'Selections' panel is visible on the right side of the search results area.

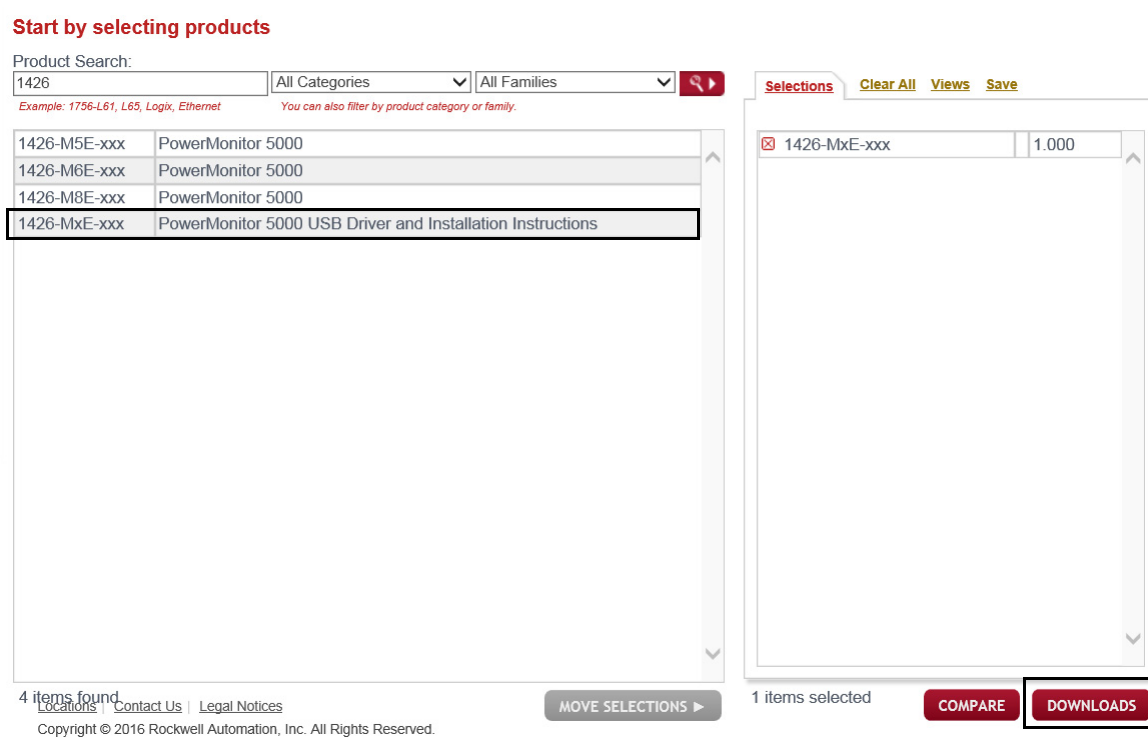
2. Enter your Email Address, Password, and click Sign In.

The screenshot displays the 'Website Member Sign In' page. The main heading is 'Website Member Sign In'. On the left, there is a 'Website Registration' sidebar with links for 'Sign In', 'Become a Member', 'Forgot Password', 'Membership Help', and 'Questions & Comments'. The central sign-in form is titled 'Please Sign In' and includes fields for '\* Email Address' and '\* Password'. Below the password field is a checkbox for 'Remember my email address and password on this computer.' and buttons for 'SIGN IN' and 'CLEAR'. A 'Not Yet Registered?' section follows, with a 'Sign up now' link and a list of benefits: 'Personalize services and support for your product interests.', 'Manage your e-communications subscription preferences.', and 'Manage and store your contact information.'

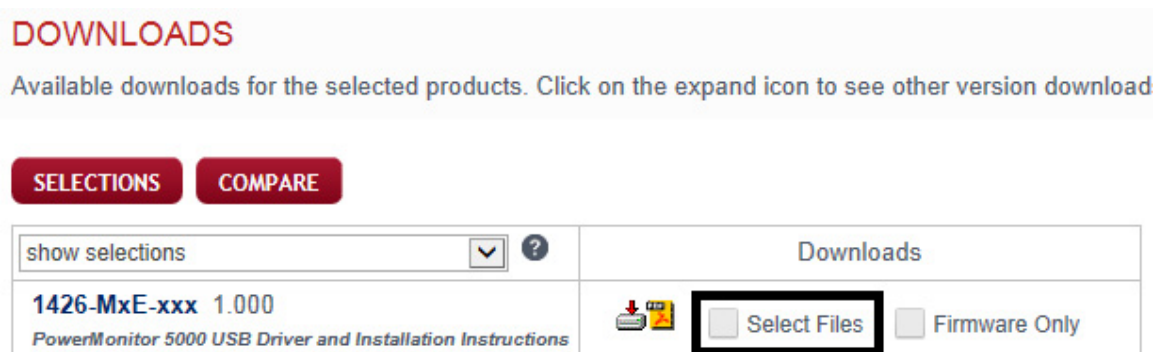
- Enter 1426 in the Product Search window.



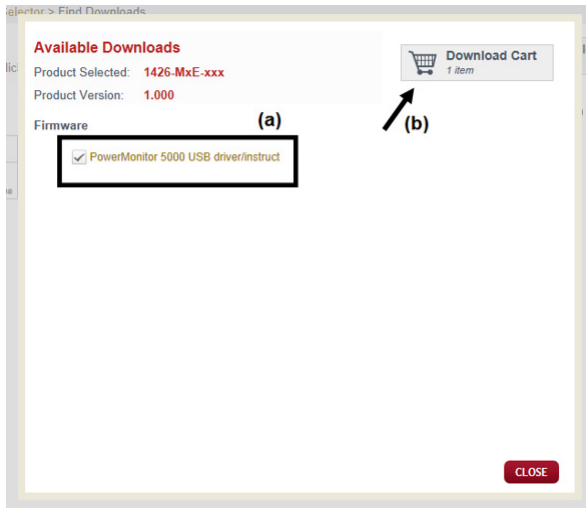
- Select PowerMonitor 5000 USB Driver and Installation Instructions and then click Downloads.



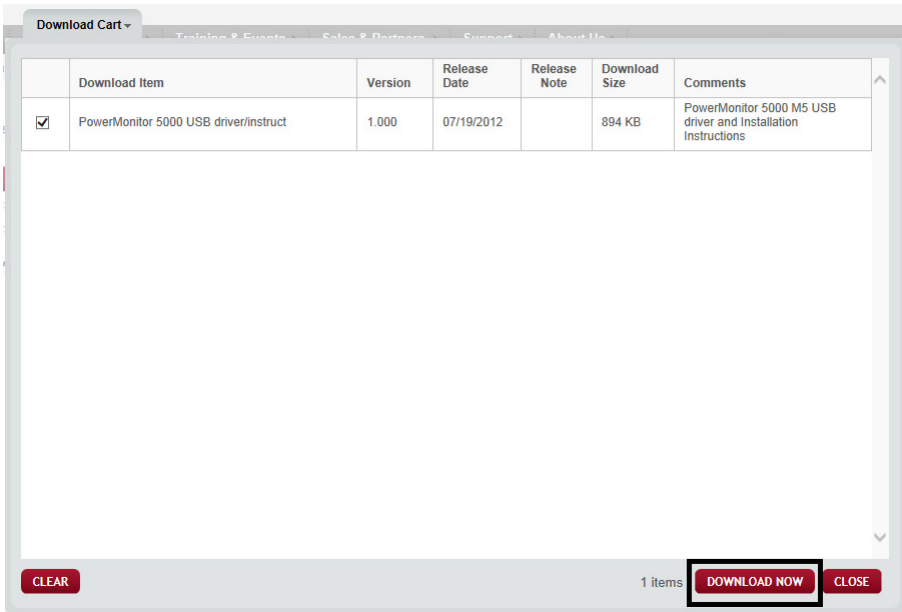
- Click Select Files.



6. Select PowerMonitor 5000 USB driver/instruct (a) and click Download Cart (b).



7. Click Download Now.



8. Read the End-User Software Agreement and click Accept.

9. Click Managed Download.

The screenshot shows the Rockwell Automation website with the following elements:

- Header:** Rockwell Automation LISTEN. THINK. SOLVE®
- Navigation:** Products & Technologies, Solutions & Services, News & Innovation, Training & Events, Sales & Partners, Support, About Us
- Left Sidebar:** Rockwell Software
  - Support Center
  - KnowledgeBase
  - Software Patches
  - FAQ
- Main Content:**

Rockwell Automation now offers two download methods from which to choose. Your download includes [ 1 ] files. You can manually download these files using the direct download method, or you can use our download manager to download the files for you

## Managed Download

Benefits of managed download

  - Secure
  - Verify file integrity
  - Automatically resume download file if error occurs due to lost connections, network problems, computer shutdowns, or unexpected power outages

## Direct Download

Use your browser or third party download manager. Rockwell Automation is not responsible for the file integrity of your download.

10. Click Run.

The screenshot shows the Rockwell Automation Download Manager interface with the following elements:

- Header:** Rockwell Automation LISTEN. THINK. SOLVE®
- Navigation:** Products & Technologies, Solutions & Services, News & Innovation, Training & Events, Sales & Partners, Support, About Us
- Left Sidebar:** Rockwell Software
  - Support Center
  - KnowledgeBase
  - Software Patches
  - FAQ
- Main Content:**

Rockwell Automation Download Manager

The Rockwell Automation Download manager should be ran to ensure fast, secure, and reliable delivery of our software products. This download manager is capable of downloading multiple items simultaneously and offers sophisticated file compression algorithm that reduces the footprint of some products by 60 % or more.

Explorer
 Firefox
 Chrome

Locations | Contact Us | Legal Notices  
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It took 0.0005921 seconds to load this page

At the bottom, a yellow warning dialog box is displayed:

Do you want to run or save fu0bhufanu2ezrcudbemqr50635786108765004194\_1.exe (354 KB) from download.rockwellautomation.com?

This type of file could harm your computer.

Buttons: Run, Save, Cancel

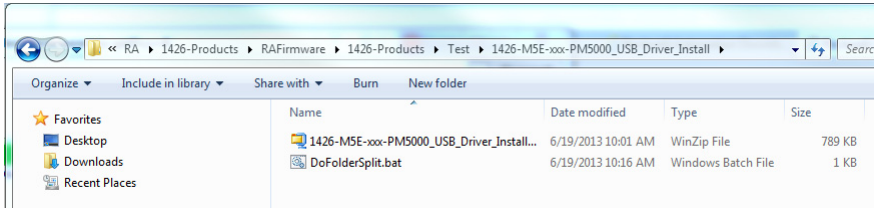
11. When download is complete, click Open under the green status bar.

The screenshot shows the Rockwell Automation Download Manager window with the following elements:

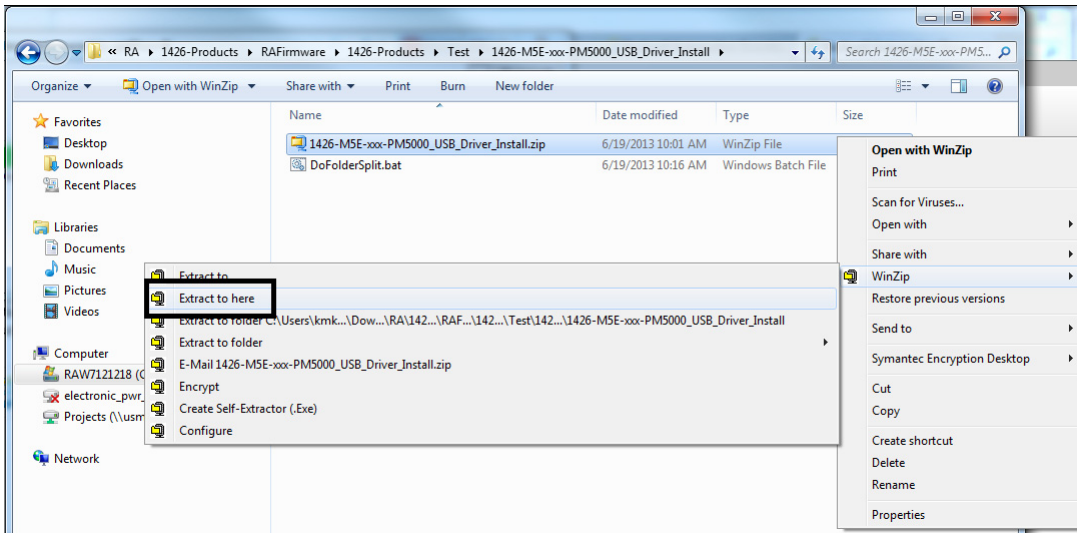
- Title Bar:** Rockwell Automation Download Manager powered by getPlus+®
- Buttons:** Expand, Close
- Status:** Download Complete
- Progress Bar:** A green progress bar is shown at 100.0%.
- Download Folder:** C:\Users\jmkunows\Downloads\RA\
- Action:** An arrow points to the [Open](#) link.

- In the Windows Explorer window that opens, navigate to 1426-Products > RAFirmware > 1426-Products > Test > 1426-M5E-xxx-PM5000\_USB\_Driver\_Install.

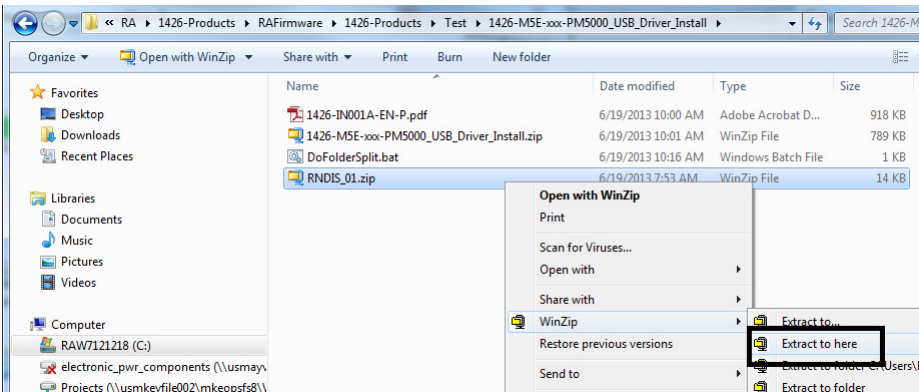
**TIP** The full path to access the file is: Downloads > RA > 1426-Products > RAFirmware > 1426-Products > Test > 1426-M5E-xxx-PM5000\_USB\_Driver\_Install.



- Right-click on the zipped folder and extract the files.



- Right-click on zipped folder RNDIS\_01.zip and extract files.



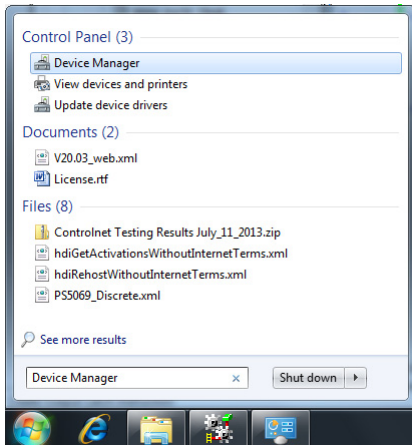
- Close the Rockwell Automation® Download Manager and sign out of RockwellAutomation.com.

## Install Drivers

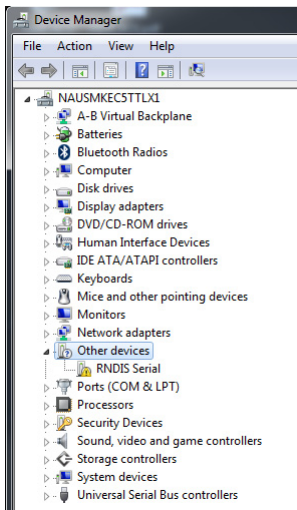
To install the USB driver, follow these steps.

The following procedure applies to the Windows 7 operating system. Installation and connection configuration steps vary with different operating systems.

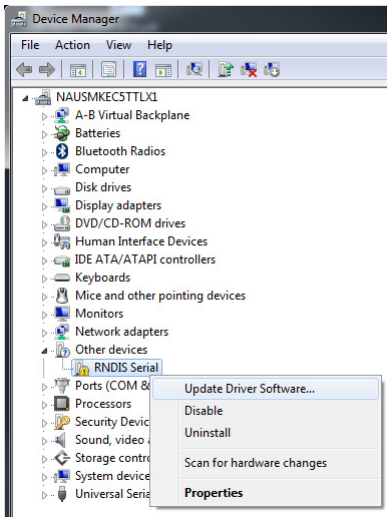
1. Connect the PowerMonitor 5000 unit to your computer by using a USB cable and apply power to the power monitor.  
If the device does not automatically install or fails to install, follow these steps.
2. Open the Start menu and search for Device Manager. Click Device Manager to open.



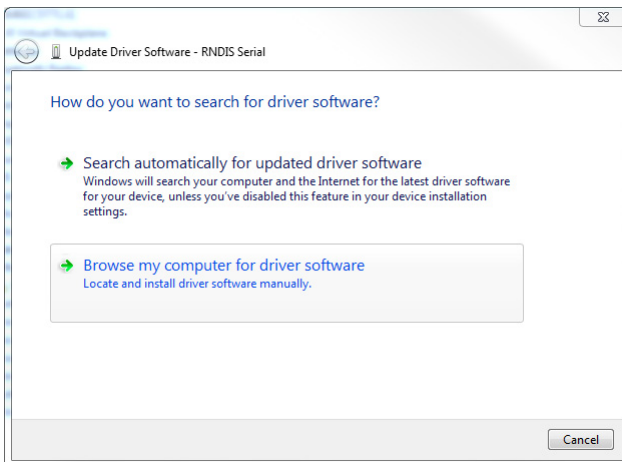
3. In Device Manager, open Other devices.



4. Right-click RNDIS Serial and select Update Driver Software.



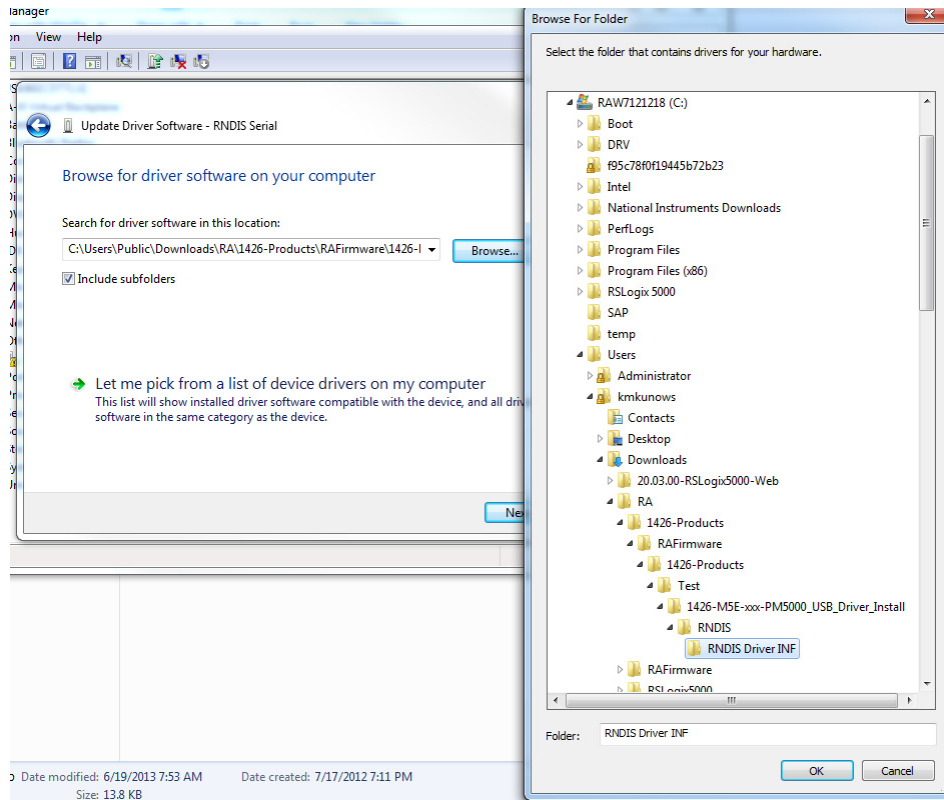
5. Select Browse my computer for driver software.



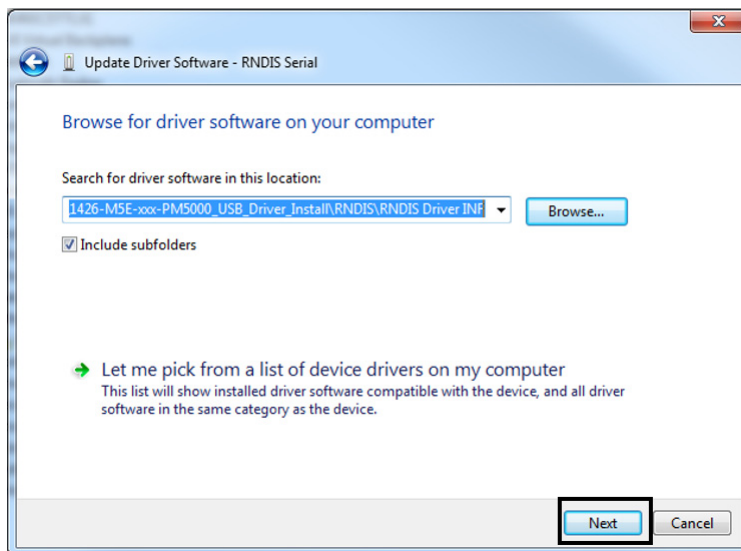


- Click Browse and navigate to the RNDIS Driver INF folder and click OK.

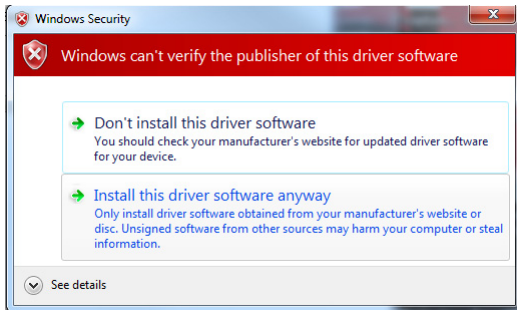
**TIP** The full path to access the file is: Downloads > RA > 1426-Products > RAFirmware > 1426-Products > Test > 1426-M5E-xxx-PM5000\_USB\_Driver\_Install > RNDIS > RNDIS Driver INF.



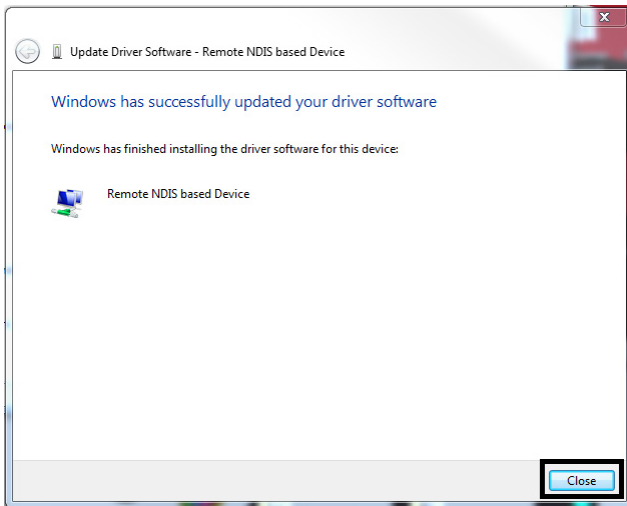
- Click Next.



8. If a windows security window pops up, click 'Install this driver software anyway'.



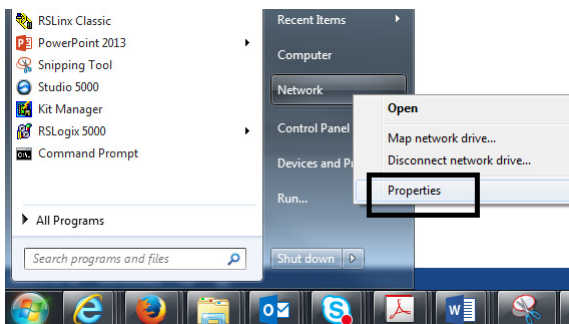
9. When the driver successfully installs, click Close.



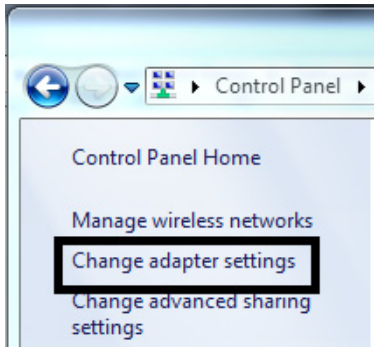
## Configure the Connection

To configure the connection, follow these steps.

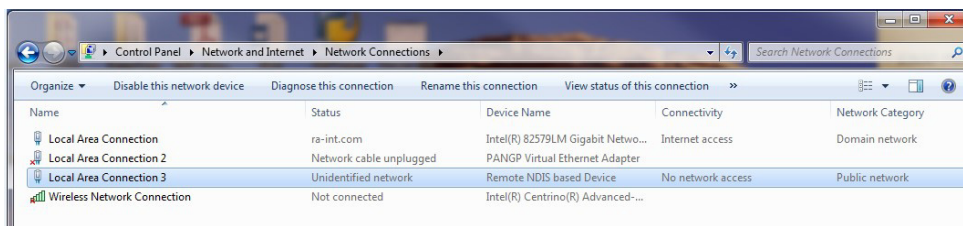
1. From the Start menu on your computer, right-click Network, and select Properties.



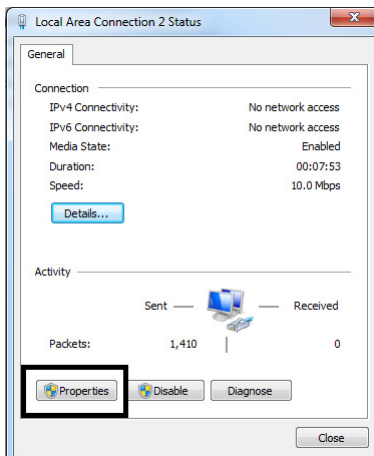
2. Click Change adapter settings.



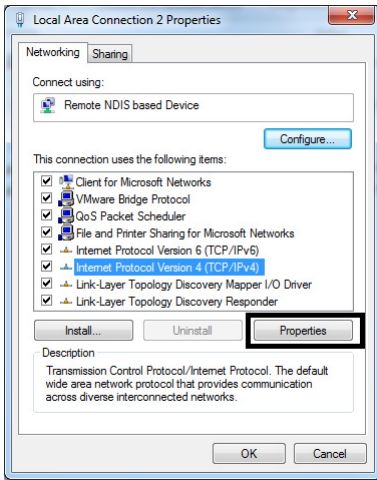
3. Verify that the PowerMonitor 5000 is connected to the personal computer by using the USB cable. Double-click Local Area Connection associated with the Remote NDIS-based Device.



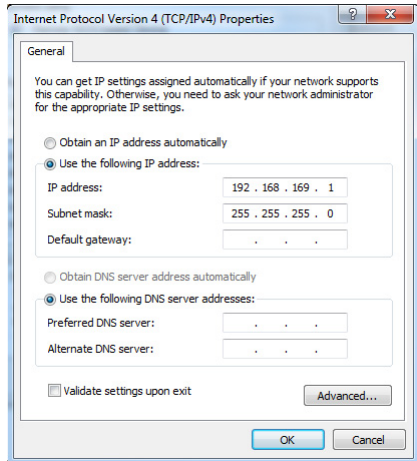
4. Click Properties.



5. Select Internet Protocol Version 4 (TCP/IPv4) and click Properties.



6. Select Use the following IP address, enter the IP address: 192.168.169.1.  
The default subnet mask 255.255.255.0 is correct. Note: The default IP address of the PowerMonitor 5000 unit is 192.168.169.3.



7. Then, click OK.  
Your connection has now been configured and you can browse the PowerMonitor 5000 web page by using the USB connection.

## Browse the PowerMonitor 5000 Web Page by Using the USB Connection

Follow these steps to browse the PowerMonitor 5000 unit.

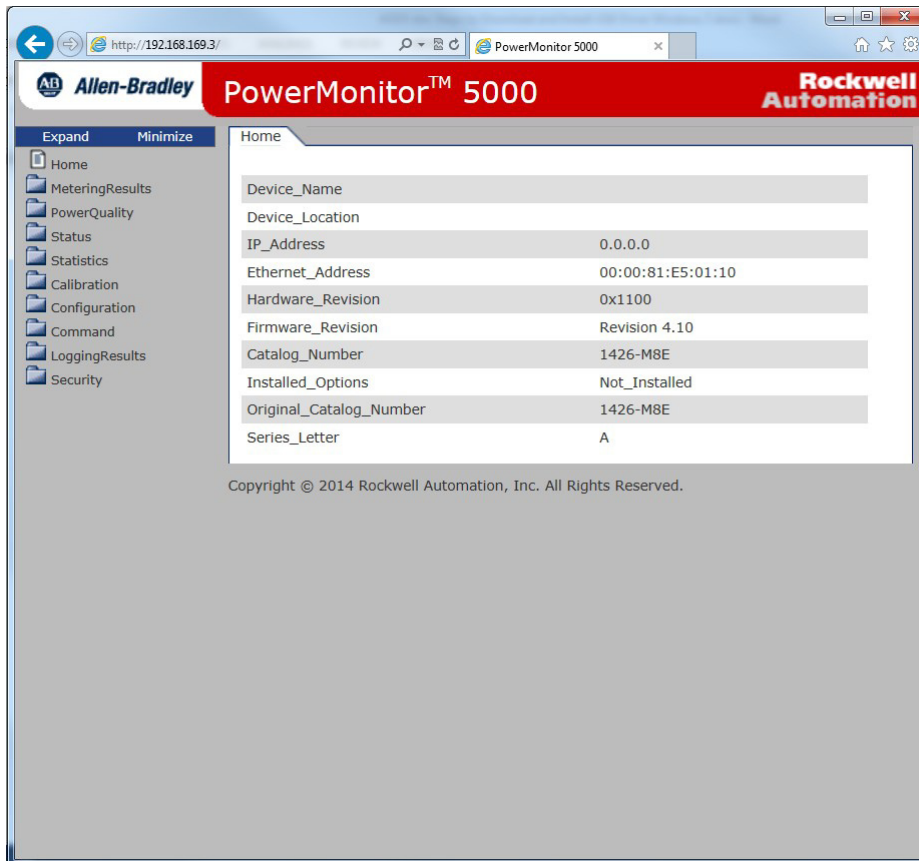
1. Open the Internet Explorer web browser on the computer and browse to the url <http://192.168.169.3>.

The PowerMonitor 5000 web page displays in your browser.

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**IMPORTANT** Your browser must have Allow Scriptlets set to Enable for the applicable security zone for configuration changes to be made to the power monitor by using the web page.

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By default the security setting of the power monitor web page is disabled.

2. If you would like to enable security, refer to the PowerMonitor 5000 Unit User Manual, publication [1426-UM001](#) for more information.

## Additional Resources

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

Resource	Description
PowerMonitor 5000 Unit User Manual, publication <a href="#">1426-UM001</a>	Provides information on the installation, configuration, and use of the PowerMonitor 5000 unit.
Industrial Automation Wiring and Grounding Guidelines, publication <a href="#">1770-4.1</a>	Provides general guidelines for installing a Rockwell Automation industrial system.
Product Certifications website, <a href="http://www.rockwellautomation.com/global/certification/overview.page">http://www.rockwellautomation.com/global/certification/overview.page</a>	Provides declarations of conformity, certificates, and other certification details.

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

## Rockwell Automation Support

Use the following resources to access support information.

<b>Technical Support Center</b>	Knowledgebase Articles, How-to Videos, FAQs, Chat, User Forums, and Product Notification Updates.	<a href="https://rockwellautomation.custhelp.com/">https://rockwellautomation.custhelp.com/</a>
<b>Local Technical Support Phone Numbers</b>	Locate the phone number for your country.	<a href="http://www.rockwellautomation.com/global/support/get-support-now.page">http://www.rockwellautomation.com/global/support/get-support-now.page</a>
<b>Direct Dial Codes</b>	Find the Direct Dial Code for your product. Use the code to route your call directly to a technical support engineer.	<a href="http://www.rockwellautomation.com/global/support/direct-dial.page">http://www.rockwellautomation.com/global/support/direct-dial.page</a>
<b>Literature Library</b>	Installation Instructions, Manuals, Brochures, and Technical Data.	<a href="http://www.rockwellautomation.com/global/literature-library/overview.page">http://www.rockwellautomation.com/global/literature-library/overview.page</a>
<b>Product Compatibility and Download Center (PCDC)</b>	Get help determining how products interact, check features and capabilities, and find associated firmware.	<a href="http://www.rockwellautomation.com/global/support/pcdc.page">http://www.rockwellautomation.com/global/support/pcdc.page</a>

## Documentation Feedback

Your comments will help us serve your documentation needs better. If you have any suggestions on how to improve this document, complete the How Are We Doing? form at [http://literature.rockwellautomation.com/idc/groups/literature/documents/du/ra-du002\\_-en-e.pdf](http://literature.rockwellautomation.com/idc/groups/literature/documents/du/ra-du002_-en-e.pdf).

Rockwell Automation maintains current product environmental information on its website at <http://www.rockwellautomation.com/rockwellautomation/about-us/sustainability-ethics/product-environmental-compliance.page>.

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Publication 1426-IN001B-EN-P - March 2016

Supersedes Publication 1426-IN001A-EN-P - July 2012

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