Installation Instructions

Original Instructions



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.

Торіс	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.



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

Sign In Become A Memb Automation USTEN. THINK, SOLVE:				
Website	Member Sign In	S. Change		
Website Registration Sign In • Become A Member • Forgot Password • Membership Help • Questions & Comments	Please Sign In *Email Address *Password Remember my email address and password on this co	* Indicates required fields		
Resources Privacy Policy	Not Yet Registered? Sign up now and you will also be able to: • Personalize services and support for your product interests. • Manage your e-communications subscription preferences. • Manage and store your contact information.			
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3. Enter 1426 in the Product Search window.

Rockwell Automation	LISTEN. THINK.	SOLVE:
Products & Technologies	Solutions & S	ervices > News & Innovation > Training & Events > Sales & Partners > Support > About Us >
	Compatibility / Dov	nload Center > Multi Product Selector > Find Downloads
Product Compatibility & Download Center > Compare > Download ~ Views > Configured Views > Available Versions	FIND DOWN Select one or mor firmware compatik Type in the catalo search.	LOADS e products to view the available downloads for those products. You also have an option to view ility for a given product. g numbers and/or descriptions of the products you wish to find. Use the drop down lists to limit your
 Features & Attributes 	Start by selec	ting products
Resources Frequently Asked Questions Tools & Resources 	Product Search: 1426 Example: 1756-L61, L65,	x All Categories All Families Logic, 8 hemet You can also filter by product category or family.
Product Directory Technical Support	1426-M5E-xxx	PowerMonitor 5000
 Literature Library Find a Sales Office 	1426-M6E-xxx 1426-M8E-xxx	PowerMonitor 5000 PowerMonitor 5000
Find a Local Distributor	1426-MxE-xxx	PowerMonitor 5000 USB Driver and Installation Instructions

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

Start by select	ting products	5									
Product Search:						_					
1426		All Categories	\sim	All Families	✓	₹►	Selections	Clear All	Views	<u>Save</u>	
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5. Click Select Files.

DOWNLOADS

Available downloads for the selected products. Click on the expand icon to see other version download

SELECTIONS COMPARE	
show selections	Downloads
1426-MxE-xxx 1.000 PowerMonitor 5000 USB Driver and Installation Instructions	Select Files Firmware Only

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

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roduct Selected: 1426-MxE	E-xxx	1 item
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PowerMonitor 5000 U	SB driver/instruct	

7. Click Download Now.

	Download Item	Version	Release Date	Release Note	Download Size	Comments	1
/	PowerMonitor 5000 USB driver/instruct	1.000	07/19/2012		894 KB	PowerMonitor 5000 M5 USB driver and Installation Instructions	
						11584468015	

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

9. Click Managed Download.



10. Click Run.

Rockwell Automation	LISTEN. THINK. SOLVE!	> F Search
Products & Technologies >	Solutions & Services > News & Innovation > Training & Events > Sales & Partners > Support > About Us >	
Rockwell Software	Rockwell Automation Download Manager	
Support Center KnowledgeBase Software Patches FAQ	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.	
	Locations Contact Us Legal Notices Copyright © 2015 Rockwell Automation, Inc. All Fights Reserved.	
	It took 0.0005621 seconds to load this page	
	Do you want to run or save fu0bhufanu2ezrcudbemqr50635786108765004194_1.exe (354 KB) from download.rockwellautomation.com?	×
	This type of file could harm your computer. Run Save	Cancel

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

Rockwell Automation Download Manager powered by getPlus+®	
	Expand
Download Complete	
	100.0%
Download Folder (C: Users kmkunows Downloads RA) Open	
	Close
getPlus ^{+⊗}	

- 12. 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.

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Organize 👻 Include in library 👻 Sh	are with 🔻 Burn New folder			
☆ Favorites	Name	Date modified	Туре	Size
🧮 Desktop	1426-M5E-xxx-PM5000_USB_Driver_Install	6/19/2013 10:01 AM	WinZip File	789 KB
🐞 Downloads 🗐 Recent Places	BoFolderSplit.bat	6/19/2013 10:16 AM	Windows Batch File	1 KB

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

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Favorites		Name	Date modified	Туре	Size	
🧮 Desktop		1426-M5E-xxx-PM5000_USB_Driver_Install.zip	6/19/2013 10:01 AM	WinZip File		Open with WinZip
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Pictures	Extract to here					Restore previous versions
Videos	Extract to folder C:	\Users\kmk\Dow\RA\142\RAF\142\Test\142	2\1426-M5E-xxx-PM5000_USB	_Driver_Install	1	Send to
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🖵 Projects (\\usm	및 Create Self-Extract	or (.Exe)				Сору
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Network 1						Delete

14. Right-click on zipped folder RNDIS_01.zip and extract files.

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🥽 Libraries			Open wit	h WinZip			
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15. Close the Rockwell Automation[®] Download Manager and sign out of Rockwell Automation.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.



- 6. 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.



7. 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.

🔾 🗢 😰 🕨 Control Panel 🕨 Network	and Internet Network Connections	_	✓ 4→ Search	Network Connections
Organize Disable this network device	Diagnose this connection Rename	this connection View status of this	connection »	i= - 🔟 😨
Name	Status	Device Name	Connectivity	Network Category
Local Area Connection	ra-int.com	Intel(R) 82579LM Gigabit Netwo	Internet access	Domain network
Local Area Connection 2	Network cable unplugged	PANGP Virtual Ethernet Adapter		
Local Area Connection 3	Unidentified network	Remote NDIS based Device	No network access	Public network
ر الله Wireless Network Connection	Not connected	Intel(R) Centrino(R) Advanced		

4. Click Properties.

General	
Connection	
IPv4 Connectivity:	No network access
IPv6 Connectivity:	No network access
Media State:	Enabled
Duration:	00:07:53
Speed:	10.0 Mbps
Details	
Activity	
Activity	Sent — 🧏 — Received
Activity ———— Packets:	Sent — Q — Received 1,410 0
Activity Packets:	Sent — Received 1,410 0 Disable Diagnose

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.

nternet Protocol Version 4 (TCP/IPv4) Properties						
General						
You can get IP settings assigned au this capability. Otherwise, you need for the appropriate IP settings.	tomatically if your network supports I to ask your network administrator					
Obtain an IP address automatically						
Use the following IP address:						
IP address:	192 . 168 . 169 . 1					
Subnet mask:	255.255.255.0					
Default gateway:	10 10 10 10 10 10 10 10 10 10 10 10 10 1					
Obtain DNS server address automatically						
Use the following DNS server a	addresses:					
Preferred DNS server:						
Alternate DNS server:	• • •					
Validate settings upon exit Advanced						
	OK Cancel					

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.

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.

Allen-Bradley	PowerMonitor [™] 500	00 Automa
xpand Minimize	Home	
Home		
MeteringResults	Device_Name	
PowerQuality	Device_Location	
Status	IP_Address	0.0.0.0
Calibration	Ethernet_Address	00:00:81:E5:01:10
Configuration	Hardware_Revision	0x1100
Command	Firmware_Revision	Revision 4.10
LoggingResults	Catalog_Number	1426-M8E
Security	Installed_Options	Not_Installed
	Original_Catalog_Number	1426-M8E
	Series_Letter	А
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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 <u>1426-UM001</u> for more information.

Additional Resources

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

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

You can view or download publications at <u>http://www.rockwellautomation.com/global/literature-library/overview.page</u>. 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.

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

Documentation Feedback

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

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