

StruxureWare Power Monitoring Expert 7.2.2

StruxureWare™ Power Monitoring Expert 7.2.2 is the recommended service pack for Power Monitoring Expert versions 7.2 and 7.2.1. The Power Monitoring Expert system provides power monitoring and management for an enterprise of one or many facilities. With this system you can measure, manage, and improve your energy availability, reliability, and efficiency.

This document includes the following topics, which summarize what's new in version 7.2.2:

- Related software.
- Installing the software.
- Scheduled jobs in Windows Tasks Scheduler.
- The Web-based Alarms application.
- Hierarchy Manager
- Integrated devices.
- Upgrade support.
- Product documentation.

Related Software

Supported Operating System and SQL Server Combinations

Windows Server 2012 R2 Standard and Enterprise versions, and SQL Server 2012 Standard, Enterprise, and Express SP1 editions are now supported .

The following tables summarize the combinations of 32-bit and 64-bit versions of Microsoft Windows operating systems and SQL Server editions that support Power Monitoring Expert installations. You need to install a supported edition of SQL Server before installing Power Monitoring Expert software. Note that SQL Server 2012 Express is available when you install a Standalone Server even if an existing SQL Server instance is detected. See the *StruxureWare Power Monitoring Expert 7.2 Installation Guide* for information about installing the product.

Note

Power Monitoring Expert software cannot be installed on domain controllers. If Power Monitoring Expert software is installed on a server that is subsequently changed to a domain controller, the software ceases to function correctly.

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32-bit Support

32-bit Windows Operating Systems	32-bit Microsoft SQL Server Editions	Standalone Server	Distributed Database Server
Windows 7 Professional/Enterprise, SP1	SQL Server 2008 R2 Express, SP2	Yes	No
	SQL Server 2008 R2 Standard/Enterprise, SP2	Yes	No
	SQL Server 2012 Express, SP1	Yes	No
	SQL Server 2012 Standard/Enterprise, SP1	Yes	No
Windows Server 2008 Standard/Enterprise, SP2	SQL Server 2008 R2 Express, SP2	Yes	No
	SQL Server 2008 Standard/Enterprise, SP3	Yes	Yes

64-bit Support

64-bit Windows Operating Systems	64-bit Microsoft SQL Server Editions	Standalone Server	Distributed Database Server
Windows 7 Professional/Enterprise, SP1	SQL Server 2008 R2 Express, SP2	Yes	No
	SQL Server 2008 R2 Standard/Enterprise, SP2	Yes	No
	SQL Server 2012 Express, SP1	Yes	No
	SQL Server 2012 Standard/Enterprise, SP1	Yes	No
Windows Server 2008 Standard/Enterprise SP2, and R2 SP1	SQL Server 2008 R2 Express, SP2	Yes	No
	SQL Server 2008 R2 Standard/Enterprise, SP2	Yes	Yes
Windows Server 2012 / R2 Standard/Enterprise	SQL Server 2012 Express, SP1	Yes	No
	SQL Server 2012 Standard/Enterprise, SP1	Yes	Yes

Operating systems and SQL Server editions not included in the summary tables are not supported for Power Monitoring Expert software.

About Localized Versions

Localized versions of the software are supported as follows:

- A localized version of Power Monitoring Expert software is expected to be installed on an operating system and SQL Server of the same locale. For example, a Spanish version of the product and SQL Server should be installed on an operating system with a regional setting of Spanish.
- The English version of Power Monitoring Expert software is expected to work with non-English operating systems and SQL Server versions. For example, an English version of the product can be installed on an operating system with a regional setting of German with a German version of SQL Server.

Virtual Environments

Power Monitoring Expert can be installed in virtual environments configured with one of the supported Windows operating system and SQL Server edition combinations summarized in the tables above. It is recommended that you copy the content of the Power Monitoring Expert DVD to a local drive in your virtual environment and double-click `MainSetup.exe` to start the installation process. Note that there should not be a space in the folder name.

The FLEXnet License Administrator software, which is used to manage StruxureWare Power

Monitoring Expert licenses, supports virtual machine licensing for the following hypervisors:

- VMware ESX 4.1/ESXi 4.1 and 5.0
- Microsoft Hyper-V
- Citrix XenServer 6.0
- VMware Workstation 8.

Client Computers

Engineering Client computers require one of the Windows operating systems summarized in the tables above.

Web Client computers require network connectivity to a Power Monitoring Expert primary server to access the Web Applications component of Power Monitoring Expert. The browsers that can be used on Web Client computers are listed below.

Other software used by the product

Only the software referenced in the following list is officially supported for Power Monitoring Expert software.

- Microsoft Excel 2007 or 2010, which is required for reports exported in Excel format in the Web-based Reports, or for the Excel-based Reporter application.
- Browsers supported on Web Client workstations for the applications included in the Web Applications component (Dashboards, Diagrams, Tables, Alarms, Reports):
 - Microsoft Internet Explorer versions 9 or 10.¹
 - Google Chrome version 20 or later.
 - Apple Safari version 5 or later on Mac computers.
- Browsers supported on tablets to access the Diagrams application only:
 - Safari on iPad tablets using iOS 5 or iOS 6.1 operating systems.
 - Browsers on tablets using Android operating systems JB 4.1 or ICS 4.0.
- Microsoft Silverlight version 4 or later.

Installing the Software

The following table summarizes the installation options for Power Monitoring Expert 7.2.2:

Installation Media	New Install of Power Monitoring Expert 7.2.2	Upgrade from Power Monitoring Expert 7.2 or 7.2.1
DVD	Yes	Yes
Downloadable exe	No	Yes

The installation should start automatically when you insert the DVD into the DVD drive. If this does not occur, use Windows Explorer to navigate to the DVD drive and double-click `MainSetup.exe`.

If you use the downloadable exe, double-click the exe to begin the upgrade process.

The Installer guides you through the new installation or the upgrade. For other upgrade considerations, see ["Upgrade Support" on page 5](#).

¹If you need to use Internet Explorer version 11, use it in the Compatibility View mode.

Scheduled Jobs in Windows Task Scheduler

The scheduled job for archiving the ION_Data database has been added to Windows Task Scheduler. By default, the archive job is disabled. The following table summarizes the scheduled jobs now available in Task Scheduler:

Database	Scheduled Job	Enable by Default	Default Time	Configurable
Application Modules database (Application_Modules)	Backup	Yes	Daily at 1:30 AM	Yes
	Maintenance	Yes	Daily at 2:30 AM	Yes
	Trim	Yes	Daily at 2:30 AM	Yes
ION database (ION_Data)	Archive	No	Annually at 1:00 AM on January 3rd	Yes
	Backup	Yes	Weekly at 12:00 AM every Friday	Yes
	Maintenance	Yes	Daily at 2:00 AM	Yes
	Size Notification (for SQL Express installations)	Yes	Daily at 3:00 AM	Yes
Network Configuration database (ION_Network)	Backup	Yes	Daily at 1:00 AM	Yes
	Maintenance	Yes	Daily at 7:30 AM	Yes
System Events database (ION_SystemLog)	Maintenance	Yes	Daily at 7:05 AM	Yes
	Trim	Yes	Daily at 4:00 AM	Yes

Alarms Application

The following changes have been implemented in the browser-based Alarms application:

- Users with supervisor-level access can use the **Settings** dialog to:
 - Specify whether or not to display the Alarm Annunciator. The default setting is **Show the Alarm Annunciator**. If you choose not to display the Alarm Annunciator, all audible alarms are also disabled.
 - Configure when the Alarm Annunciator sound is triggered or disable the sound completely. The default setting is **On Low, Medium, or High Priority Alarms**.
 - Configure the alarm priority threshold definitions. The default settings are 192 to 255 for high-priority alarms, 128 to 191 for medium priority alarms, and 64 to 127 for low-priority alarms. A priority of 63 or less is not identified as an alarm, but this value can also be changed.
- You can create customized alarm views and save them either for your own use, or share them with other users.

Hierarchy Manager

Hierarchy Manager now includes meter apportionment and virtual meter capability.

- Meter apportionment allows you to assign a percentage of a device to more than one tenant in an area.
- A virtual meter allows you to aggregate measurements from any combination of devices, apportioned meters, or other virtual meters available in Hierarchy Manager. The newly created virtual meter can be assigned to a node in Hierarchy Manager just like any other

device, and appears in dialogs that have a **Views** selection. You can even create an apportioned meter from a virtual meter.

See the Hierarchy Manager online help for more information.

Integrated Devices

The following devices are now integrated in the product:

- Compact NSX control support
- EnerSure BCPM
- PM5100 Series
- PM5300 Series
- PM5350 IB/PB
- PM5500
- Sepam Series 60
- SER2408

Upgrade Support

Upgrades from ION Enterprise™ 6.0 SP1, StruxureWare Power Monitoring 7.0 SP1, Power Monitoring Expert 7.2, and 7.2 SP1 are supported. In-place upgrades from these versions are valid if your current system uses one of the supported operating system and SQL Server combinations for Power Monitoring Expert 7.2.2. Upgrades from other operating system or SQL Server combinations require data migration.

When upgrading from previous product releases, you should take into account the amount of time and the large amount of hard drive space that may be required.

Contact Technical Support or your local Schneider Electric representative for advice regarding software upgrades.

Product Documentation

The following Power Monitoring Expert 7.2.2 documentation is available at www.schneider-electric.com:

- *Before installing your software*, document number 7EN52-0293-00.
- *Using the SQL Server 2012 DVD*, document number 7EN52-0294-00.
- *Installation Guide*, document number 7EN02-0349-00.
- *User Guide*, document number 7EN02-0348-00.
- *System Design Guide*, document number 7EN02-0330-00.

Online information available within the product includes:

- *Power Monitoring Expert Help* – accessible from within installed components, such as Management Console, Vista, and Designer.
- *Hierarchy Manager Help* – accessible in a browser-based help format from the Hierarchy Manager user interface.

- *Web Applications Help* – accessible in a browser-based help format from the Web Applications user interface.